

FILE COPY

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OF PARAMETERS ORDERED BY:

Dig Linn 2-16-11

**OLIN CORPORATION
WILMINGTON
SDG: WIL-8
SC5606**

**KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074**

TABLE OF CONTENTS

Total number of pages: 252

SAMPLE DATA PACKAGE

Narrative	-----	0000001		
Supporting Documents	-----	0000002	to	0000004
Chain of Custody Record	-----	0000005	to	0000006
Login Report	-----	0000007	to	0000014
		0000015	to	0000017

SAMPLE DATA SUMMARY

Report of Analytical Results	-----	A0000001	to	A0000064
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DMF DATA

QC Summary	-----	1000001		
Sample Data	-----	1000002	to	1000009
Standards Data	-----	1000010	to	1000075
Raw QC Data	-----	1000076	to	1000114
Logbooks and Supporting Documents	-----	1000115	to	1000131
		1000132	to	1000139

CONVENTIONAL AND PHYSICAL ANALYTICAL DATA

QC Summary	-----	5000001		
Sample Data	-----	5000002	to	5000005
Raw Data	-----	5000006	to	5000027
		5000028	to	5000032

SAMPLE DATA PACKAGE

0000001

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
OLIN CORPORATION
WILMINGTON
WIL-8
SC5606

Sample Receipt

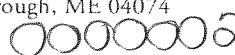
The following samples were received on September 19, 2009 and were logged in under Katahdin Analytical Services work order number SC5606 for a hardcopy due date of October 8, 2009.

KATAHDIN	OLIN CORPORATION
<u>Sample No.</u>	<u>Sample Identification</u>
SC5606-1	OC-SB-453-0.0/1.0-X
SC5606-2	OC-SB-453-1.0/6.0-X
SC5606-3	OC-SB-457-28/30-XXX
SC5606-4	OC-SB-473-0.0/1.0-X
SC5606-5	OC-SB-473-4.0/6.0-X
SC5606-6	OC-SS-420-0.0/1.0-X
SC5606-7	OC-SS-422-0.0/1.0-X
SC5606-8	OC-SS-424-0.0/1.0-X
SC5606-9	OC-SS-427-0.0/1.0-X
SC5606-10	OC-SS-429-0.0/1.0-X
SC5606-11	OC-SS-431-0.0/1.0-X
SC5606-12	OC-SS-434-0.0/1.0-X
SC5606-13	OC-SS-440-0.0/1.0-X
SC5606-14	OC-SS-450-0.0/1.0-X
SC5606-15	OC-SS-453-0.0/1.0-X
SC5606-16	OC-SS-455-0.0/1.0-X
SC5606-17	OC-SS-456-0.0/1.0-X
SC5606-18	OC-SS-457-0.0/1.0-X
SC5606-19	OC-SS-459-0.0/1.0-X
SC5606-20	OC-SS-460-0.0/1.0-X
SC5606-21	OC-EBK-011

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.
Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.



Organics Analysis

The samples of SDG WIL-8 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846 , 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software-generated) on the pertinent quantitation reports.

8033M DMF Analysis

All samples except SC5606-21 were manually integrated for the surrogate diethylformamide (DEF). The specific reasons for the manual integrations are indicated on the raw data by the manual integration codes (M1-M11). These codes are further explained in the attachment following this narrative.

The closing calibration verification (CV) (file BCI6076) had a low response for dimethylformamide (DMF), which resulted in a %D that was outside of the laboratory acceptance limits of 25%. Since both sets of associated LCS/LCSD's had acceptable DMF recoveries, the associated sample and QC samples were not reanalyzed.

The closing CV (file BCI6133) had a low response for DMF, which resulted in a %D that was outside of the laboratory acceptance limits of 25%. Since the associated samples had acceptable surrogate recoveries and there was no DMF detected above the MDL, the samples were not reanalyzed.

There were no other protocol deviations or observations noted by the organics laboratory staff.

Wet Chemistry Analysis

The samples of SDG WIL-8 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to "Standard Methods for the Examination of Water and Wastewater", 15th, 16th, 17th, 18th, 19th, and 20th editions, 1980, 1985, 1989, 1992, 1995, 1999. APHA-AWWA-WPCF.

All analyses were performed within analytical holding times, and all quality control criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Leslie Dimond
10.12.09

Leslie Dimond
Quality Assurance Officer

Katahdin Analytical Services, Inc.

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting.
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant.
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold.
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.
M12	Manual integration saved in method due to TurboChrom floating point error.

Katahdin Analytical Services, Inc.

Sample Receipt Condition Report

Client: Olin / MacTec	KAS PM: AJC	Sampled By: Client
Project:	KIMS Entry By: DD	Delivered By: Client
KAS Work Order#: SC5605 / SC5606	KIMS Review By: KLC	Received By: DD
SDG#: SC5607	Cooler: 1 of 1	Date/Time Rec.: 9-19-09 11:11

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 0.8
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?			✓		Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: Aqueous: No bubble larger than a pea Soil/Sediment: Received in airtight container? Received in methanol? Methanol covering soil?	✓			✓ ✓ ✓	
7. Trip Blank present in cooler?		✓			
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2 Sulfide - >9 Cyanide – pH >12			✓ ✓		

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments



SC5605
SC5606
SC5607

Katahdin - SAI

Page 1 of 8

Client: Olin Corporation		Client Project #: 6107090016		INVOICE INFO		Shaded Areas for office use only																																																																																																																																																																																																																																																																																																																																																																																																					
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Phone:	423-336-4511	Fax:	423-336-1466	Email:	SGMorrow@olin.com	Email Rpt:	Same as Client																																																																																																																																																																																																																																																																																																																																																																																																				
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Special Instructions For Lab

Notes:

- 1.) Fraction T = Total D = Dissolved S = SPLP. C = TCLP. N = Not Applicable
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- 5.) Bottle Type G = Glass, P = Plastic, V = Plastic, AG = Amber Glass Vial AV = 40mL VOA Glass Vial

Cooler ? Y / N	MADEP Requirement
Samples Iced? Y / N	Deg C
Temp @ receipt: _____	Time: _____
Preservation / pH checked? Y / N	
By: _____ Date: _____ / _____ / _____ Time: _____ / _____ / _____	

Dr. D.J. Date: 9/19/09 Time: 11:00 Received: 9/19/09

Relinquished: 9/19/09 Date: 9/19/09 / / Received: 9/19/09 / /

Katalkin - Soil

Page 2 of 8

Sample ID	Date/Time Collected	Fractionation (3)						Comments (Special Instructions)
		OC Codes (3)	Sample Number (3)	Cores/Drill or Grab (G)	Total # of Containers	Core-G (5060A) / T1999	Dmf (Msd 8033 - GC/NPD)	
QC-SB-413-1.0/5.0-XXX	T 09/17/2009 10:20:00	FS	SO	G	1	X	Pechthralt (6850)	
QC-SB-413-10/12-XXX	T 09/17/2009 10:50:00	FS	SO	G	1	X		
QC-SB-435-0/1.0-XXX	T 09/17/2009 2:45:00 PM	FS	SO	G	1	X		
QC-SB-435-1/11/15-XXX	T 09/17/2009 2:00:00 PM	FS	SO	G	1	X		
QC-SB-435-6.0/10-XXX	T 09/17/2009 1:35:00 PM	FS	SO	G	1	X		
QC-SB-453-0/01.0-XXX	T 09/17/2009 4:25:00 PM	FS	SO	G	1	X		
QC-SB-453-1.0/6.0-XXX	T 09/17/2009 4:00:00 PM	FS	SO	G	1	X		

Category 1	Category 2						Category 3
	Zn AV	AG	Hydride, MSH, UDMH	Msd 8315 LC/MS/MS	Msd 8315 LC/MS/G	<--Preservative Type (5)	

Special Instructions For Lab

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- 5.) Bottle Type: G = Glass, P = Plastic, V = 40ml VOA Glass Vial, AG = Amber Glass, AV = 40ml VOA Amber Glass Vial

Relinquished: <u>Atikha</u>	Date: <u>9/19/09</u>	Time: <u>11:11</u>	Received: <u>John Drury</u>	Date: <u>9/19/09</u>	Time: <u>11:11</u>	MADEP Requirement
Relinquished: _____	Date: _____	/ _____	Time: _____	Received: _____	Date: _____	Time: _____

800008

Katalin - Soil

Page 3 of 8

MACEC

Sample ID	Date/Time Collected	Fraction	QC Code (2)	Sample Matrix (3)	Conc. (grab) (6)	Conc. of Contaminants	Cu (613060A / 7199)	Cr (617199)	DMF (MD 8033 - GC/NPD)	DMS (MD 8008 - GC/NPD)	Dose / Kemperate (3000B - HPLC)	Percarbonate (6850)	Hyd azide, MMH, UDMH (MSD 6315 LC/MS/MS)	Hyd azide, MMH, UDMH (MSD 8315 LC/MS/MS)	Hyd azide, MMH, UDMH (MSD 8315 LC/MS/MS)	
OC-SS-457-28/30-XXX	9/14/2009 11:30:00	T	FS ISO	G	1	X										
OC-SB-473-0/1/0-XXX	9/18/2009 9:40:00 AM	T	FS ISO	G	1	X										
OC-SB-473-1/3/15-XXX	9/18/2009 9:20:00 AM	T	FS ISO	G	1	X										
OC-SB-473-4/6/0-XXX	9/18/2009 9:05:00 AM	T	FS ISO	G	1	X										
OC-SS-426-0/0/1/3-XXX	9/15/2009 3:25:00 PM	T	FS ISO	G	1	X										
OC-SS-422-0/0/1-XXX	9/15/2009 4:30:00 PM	T	FS ISO	G	1	X										
OC-SS-424-0/0/1-XXX	9/15/2009 5:20:00 PM	T	FS ISO	G	1	X										

Comments (Special Instructions)

Category 1	Zn AV	<--Preservative Type (4)
Category 1		<--Bottle Type (5)
Category 3		
Category 2		
Category 1		

Special Instructions For Lab

Notes:

- 1) Fraction T = Total D = Dissolved S = SP/LP C = TCLP N = Not Applicable
- 2) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank
- 3) Sample Matrix: G/W = Groundwater SW = Surface Water BW = Drinking Water NAL = Non-Aqueous Liquid SD = Soil SO = Soil Sediment BN = Blank Water, PR = Product O = Oil
- 4) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Zinc Acetate, ME = Methanol DI = DI Water
- 5) Bottle Type: G = Glass, P = Plastic, V = VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial.

Cooler ? Y / N	MADEP Requirement
Temp @ receipt: <u>9/19/09</u>	Samples Iced? Y / N
Time: _____	Deg C _____
Preservation / pH checked? Y / N	
By: _____	Date: _____ / _____ / _____ Time: _____ / _____

Relinquished: John Date: 9/19/09 Time: 11:11 Received: DMR Relinquished: John Date: / / Time: / / Received: / / Relinquished: John Date: / / Time: / / Received: / / Relinquished: John Date: / / Time: / / Received: / /

MACHEC

Sample ID	Date Sample Collected	Comments (Special Instructions)									
		Zn	AV	AG	V	G	P	G	V	G	P
OC-SS-427-0010-001.0-XXX	9/15/2009 9:40:00 AM	T	FS	SO	G	X					<--Preservative Type (4) <--Bottle Type (5)
OC-SS-428-0010-001.0-XXX	9/16/2009 10:25:00	T	FS	SO	G	X					
OC-SS-431-0010-001.0-XXX	9/16/2009 11:35:00	T	FS	SO	G	X					
OC-SS-434-0010-001.0-XXX	9/16/2009 4:15:00 PM	T	FS	SO	G	X					
OC-SS-436-0010-001.0-XXX	9/16/2009 1:45:00 PM	T	FS	SO	G	X					
OC-SS-450-0010-001.0-XXX	9/16/2009 3:55:00 PM	T	FS	SO	G	X					
OC-SS-453-0010-001.0-XXX	9/17/2009 5:40:00 PM	T	FS	SO	G	X					

Special Instructions For Lab

Notes:

- 1.) Fraction T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable
- 2.) QC Codes FS = Field Sample, TR = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank
- 3.) Sample Matrix GW = Groundwater, SW = Surface Water, DW = Drinking Water, SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil
- 4.) Preservation Type HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Zinc Acetate, ME = Methanol, DI = DI Water
- 5.) Bottle Type G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass Vial.

Cooler ? Y / N	MADEP Requirement	Samples Iced? Y / N
Temp @ receipt: <u>11/11</u>	Time: _____	Deg C _____

Requisitioned: Chris Lue Date: 9/19/09 Time: 11:11 Received: Dr. Dux Date: 9/19/09 Time: 11:11

Date: / / Time: / /

Received:

Deinquished:

000010

Katadin - Soil

Page 5 of 8

WACETEC

Sample ID	Date Collected	Field Type		Zn	Av	<--Preservative Type (4)		Comments (Special Instructions)	
		AG	V			<--Bottle Type (5)			
OC-SS-455-0.01.0-XXX	9/16/2009	T	FS	SO	1	X			Category 1
OC-SS-456-0.01.0-XXX	5:50:00 PM	T	FS	SO	1	X			Category 1
OC-SS-456-0.01.0-XXX	9/16/2009	T	FS	SO	1	X			Category 1
OC-SS-456-0.01.0-XXX	1:20:00 PM	T	FS	SO	1	X			Category 1
OC-SS-457-0.01.0-XXX	9/17/2009	T	FS	SO	1	X			Category 1
OC-SS-458-0.01.0-XXX	5:55:00 PM	T	FS	SO	1	X			Category 1
OC-SS-459-0.01.0-XXX	9/18/2009	T	FS	SO	1	X			Category 1
OC-SS-459-0.01.0-XXX	1:45:00 PM	T	FS	SO	1	X			Category 1
OC-SS-459-0.01.0-XXX	5:56:2009	T	FS	SO	1	X			Category 1
	5:30:00 PM								

Special Instructions For Lab

Notes:

- 1.) F=action T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable
- 2.) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank
- 3.) Sample Matrix: GM = Groundwater, SW = Surface Water, DW = Drinking Water, BW = Blank Water, NA = Non-Aqueous Liquid, PR = Product, O = Oil
- 4.) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Zinc Acetate, ZN = Sodium Hydroxide, ME = Methanol, DI = DI Water
- 5.) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass, AV = 40mL VOA Amber Glass Vial

Cooler ? Y / N	MADEP Requirement
Temp @ receipt: _____	Samples Iced? Y / N

Dr. Dr. Date: 9/19/09 Received: 9/19/09
 Temp: _____ Time: _____ Deg C
 Preservation / pH checked? Y / N
 By: _____ Date: _____ / _____ / _____ Time: _____

Belnguished: Chris Date: 9/19/09 Time: 11:11 Received: 9/19/09
 Belnguished: Chris Date: / / Time: / / Received: / /
 Belnguished: Chris Date: 9/19/09 Time: 11:11 Received: 9/19/09
 Belnguished: Chris Date: 9/19/09 Time: 11:11 Received: 9/19/09

Katahdin - Water

Page 6 of 8

Client: Olin Corporation		Client Project #: 6107090016		INVOICE INFO		Shaded Areas for office use only	
Address: 3855 North Ocoee St. Suite 200 Cleveland, TN 37312		Work Site ID: Wilmington, MA Reports Sent To: Steve Morrow		Company Name: Olin Corp Company Contact: ERG Accounts Payable			
Phone: 423-336-4511		Fax: 423-336-1466		Email: SGMorrow@olin.com		Address: Same as Client Phone: Email	
Requested Turnaround Time (SPECIFY)		Regulatory Programs: MADEP MCP		Superfund			
Standard	Rush _____ (Lab Approval Required)	Report Requirements	Level IV Package	Level II Package			
EDD Requirements: MACTEC EQUIS EZ EDD						Job #	Quote #
						Lab SDG #	PO #

MACTEC		Fraction (1)	GC Code (2)	Sample Matrix (3)	Composite (G) or Grab (G)	Total # of Containers	Comments (Special Instructions)		Category 1	
Sample ID	Date/Time Collected	T	EB	BW	G	2	X			
OC-EBK-011	9/16/2009 8:35:00 AM	T								

Special Instructions For Lab

Notes:

- 1.) Fraction: T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable
- 2.) QC Codes FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank
- 3.) Sample Matrix GW = Groundwater, SW = Surface Water, DW = Drinking Water, SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil
- 4.) Preservation Type HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water
- 5.) Bottle Type G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass Vial.

Cooler ? Y / N	MADEP Requirement
Samples Iced? Y / N	
Temp @ receipt: _____	Deg C
Preservation / pH checked? Y / N	
By: _____ Date: _____ Time: _____	

Relinquished: Dr. D. J. D. Date: 9/19/09 Time: 11:11 Received: 9/19/09

 Relinquished: Dr. D. J. D. Date: / / Time: / / Received: / /

100012

Client: Olin Corporation		Client Project #: 6107090016		Work Site ID: Wilmington, MA		Shaded Areas for office use only																																																																																																													
Address: 3855 North Ocoee St, Suite 200 Cleveland, TN 37312		Reports Sent To: Steve Morrow		Company Name: Olin Corp		Company Contact: ERG Accounts Payable																																																																																																													
Phone: 423-336-4511	Fax: _____	Email: 423-336-1466	Email: SGMorrow@olin.com	Email Rpt: _____	Address: _____	Same as Client	_____																																																																																																												
Requested Turnaround Time (SPECIFY)		Regulatory Programs: MADEP MCP		Superfund _____		Email: _____																																																																																																													
Standard _____	Rush _____	Report Requirements: Level IV Package	Level II Package	Job # _____	Lab SDG # _____	Quote # _____	PO # _____																																																																																																												
EDD Requirements: MACTEC EQUIS EZ EDD		(Lab Approval Required)																																																																																																																	
<p style="text-align: center;">MACTEC</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Fraction (1)</th> <th colspan="2">QC Code (2)</th> <th colspan="2">Sample Matrix (3)</th> <th colspan="2">Composite (C) or Grab (G)</th> <th colspan="2">Total # of Containers</th> <th colspan="2">DMF (Mod 8033 - GC/NPD)</th> <th colspan="2">Qex / Kemporre (8000B - HPLC)</th> <th colspan="2">Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)</th> <th colspan="2">Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)</th> <th colspan="2">Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)</th> <th colspan="2">Zn AV</th> <th colspan="2"><-Preservative Type (4)</th> <th colspan="2"><-Bottle Type (5)</th> </tr> <tr> <td colspan="2">Sample ID</td> <td colspan="2">Date/Time Collected</td> <td colspan="2">QC Code (2)</td> <td colspan="2">Sample Matrix (3)</td> <td colspan="2">Composite (C) or Grab (G)</td> <td colspan="2">Total # of Containers</td> <td colspan="2">DMF (Mod 8033 - GC/NPD)</td> <td colspan="2">Qex / Kemporre (8000B - HPLC)</td> <td colspan="2">Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)</td> <td colspan="2">Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)</td> <td colspan="2">Zn AV</td> <td colspan="2"><-Preservative Type (4)</td> <td colspan="2"><-Bottle Type (5)</td> </tr> </thead> <tbody> <tr><td>OC-EBK-012</td><td></td><td>9/17/2009</td><td>T</td><td>EB</td><td>GW</td><td>2</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td>5:15:00 PM</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>								Fraction (1)		QC Code (2)		Sample Matrix (3)		Composite (C) or Grab (G)		Total # of Containers		DMF (Mod 8033 - GC/NPD)		Qex / Kemporre (8000B - HPLC)		Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)		Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)		Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)		Zn AV		<-Preservative Type (4)		<-Bottle Type (5)		Sample ID		Date/Time Collected		QC Code (2)		Sample Matrix (3)		Composite (C) or Grab (G)		Total # of Containers		DMF (Mod 8033 - GC/NPD)		Qex / Kemporre (8000B - HPLC)		Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)		Hydrazine, MMH, UDMH (Mod 8315 LC/MS/MS)		Zn AV		<-Preservative Type (4)		<-Bottle Type (5)		OC-EBK-012		9/17/2009	T	EB	GW	2	X																							5:15:00 PM																									
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		5:15:00 PM																																																																																																																	
Comments (Special Instructions)																																																																																																																			

Special Instructions For Lab

Notes:

- 1) Fraction T = Total, D = Dissolved, S = SPLP, C = TCLP, N = Not Applicable
- 2) QC Codes: FS = Field Sample, TB = Trip Blank, FD = Field Duplicate, EB = Equipment Blank, MS = Matrix Spike, MSD = Matrix Spike Duplicate, PE = Performance Evaluation Sample, FB = Field Blank
- 3) Sample Matrix: GW = Groundwater, SW = Surface Water, DW = Drinking Water, SO = Soil, SD = Sediment, BW = Blank Water, NAL = Non-Aqueous Liquid, PR = Product, O = Oil
- 4) Preservation Type: HA = Hydrochloric Acid, NI = Nitric Acid, SA = Sulfuric Acid, SH = Sodium Hydroxide, Zn = Zinc Acetate, ME = Methanol, DI = DI Water
- 5) Bottle Type: G = Glass, P = Plastic, V = 40mL VOA Glass Vial, AG = Amber Glass Vial.

Cooler ? Y / N	MADEP Requirement Samples Iced? Y / N
Temp @ receipt: _____	Deg C _____
Preservation / pH checked? Y / N	By: _____ Date: _____ Time: _____
By: _____ Date: _____ Time: _____	By: _____ Date: _____ Time: _____

Dr. [Signature]
Relinquished: 9/19/09 Date: 9/19/09 Time: 11:11 Received: 9/19/09 Date: 9/19/09 Time: 11:11

Dr. [Signature]
Relinquished: 9/19/09 Date: 9/19/09 Time: / / Received: 9/19/09 Date: 9/19/09 Time: / /

000013

Olin Wilmington OU1 Soil Sampling Categories

There will be three categories of samples submitted to the laboratories during the soil sampling program based primarily on the depth of soil locations. These categories will be identified in notes provided with the chain of custody submitted with samples. The following categories are included:

Category 1

Soil boring samples 0'-1': request that all samples are analyzed and reported in the normal project turnaround time (TAT).

Category 2

Soil boring samples from the 1'-10' interval: All samples are analyzed. Rush TAT is requested on a subset of analyses as indicated below:

VOCs: rush 7-day TAT

SVOCs: NDMA, and phthalic anhydride: normal 30-day TAT

DMF: normal 21-day TAT

Hydrazine: rush 7 day TAT

Metals: normal 30-day TAT (except mercury)

Mercury: 10 day TAT

Hexavalent Chromium: 10 day TAT

Formaldehyde/acetaldehyde: normal TAT

Anions: normal TAT

Ammonia: normal TAT

Category 3

Soil boring samples from >10 ft: Sample are held with analysis pending. For a subset of analyses the samples will be extracted and held by the lab pending instructions from MACTEC-Olin.

VOCs: hold pending results of Category 2

SVOCs: extract and hold pending results of Category 2

NDMA: extract and hold pending results of Category 2

DMF: extract and hold pending results of Category 2

Hydrazine: hold pending results of Category 2

Metals: hold pending results of Category 2

Mercury: hold pending results of Category 2

Hexavalent Chromium: hold pending results of Category 2

Phthalic anhydride: extract and hold pending results of Category 2

Formaldehyde/acetaldehyde: run normal TAT

Anions: run normal TAT

Ammonia: run normal TAT

For rush TAT samples the laboratory will provide preliminary results with a narrative and sample results summary report. The lab will also provide data on a preliminary data EDD. Final result and supporting data packages will be provided in the normal TAT for the project.

6
5
4
3
2
1
0

0000014



Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Page: 1 of 3

Sep. 21, 2009
03:37 PM

Login Number: SC5606

Account: OLINCO001
Olin Corporation

Project:

Primary Report Address:

Chris Ricardi
Mactec Engineering and Consulting
P.O. Box 7050 DTS

Portland, ME 04112-7050
cscricardi@mactec.com

Primary Invoice Address:

ERG
Olin Corporation
3855 North Ocoee St
Suite 200
Cleveland, TN 37312

NoWeb

Login Information

ANALYSIS INSTRUCTIONS	:
CHECK NO.	:
CLIENT PO#	: ERRE9844 REWI0014
COOLER TEMPERATURE	: 0.8
DELIVERY SERVICES	: Client
EDD FORMAT	: KAS075-CSV
PM	: AJC
PROJECT NAME	: Wilmington
QC LEVEL	: IV
REGULATORY LIST	:
REPORT INSTRUCTIONS	: Send rpt & EDD on CD, no hc. Email SDS & EDD to cscricardi@mactec.com and kchatterton@mactec.com. Data summary needs all forms. EDD sample ID needs to match the ID on the COC.
SDG ID	: WIL-8
SDG STATUS	: Begin/End

Report CC Addresses:

Invoice CC Addresses:

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SC5606-1	OC-SB-453-0.0/1.0-X	17-SEP-09 16:25	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	01-OCT-09	100g Glass		1		
Solid S	TS	17-OCT-09					
SC5606-2	OC-SB-453-1.0/6.0-X	17-SEP-09 16:00	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	01-OCT-09	100g Glass		1		
Solid S	TS	17-OCT-09					
SC5606-3	OC-SB-457-28/30-XXX	14-SEP-09 11:30	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	28-SEP-09	100g Glass		1		
Solid S	TS	14-OCT-09					
SC5606-4	OC-SB-473-0.0/1.0-X	18-SEP-09 09:40	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	02-OCT-09	100g Glass		1		
Solid S	TS	18-OCT-09					
SC5606-5	OC-SB-473-4.0/6.0-X	18-SEP-09 09:05	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	02-OCT-09	100g Glass		1		
Solid S	TS	18-OCT-09					
SC5606-6	OC-SS-420-0.0/1.0-X	15-SEP-09 15:25	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	29-SEP-09	100g Glass		1		
Solid S	TS	15-OCT-09					
SC5606-7	OC-SS-422-0.0/1.0-X	15-SEP-09 16:30	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	29-SEP-09	100g Glass		1		
Solid S	TS	15-OCT-09					

0000015



Katahdin Analytical Services
Login Chain of Custody Report (Ino1)
Sep. 21, 2009
03:37 PM

Page: 2 of 3

Login Number: SC5606

Account:OLINCO001

NoWeb

Olin Corporation

Project:

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	Verbal PR	Due Date	Mailed
SC5606-8	OC-SS-424-0.0/1.0-X	15-SEP-09 17:20	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	29-SEP-09	100g Glass	1		
Solid S	TS	15-OCT-09				
SC5606-9	OC-SS-427-0.0/1.0-X	16-SEP-09 09:40	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	30-SEP-09	100g Glass	1		
Solid S	TS	16-OCT-09				
SC5606-10	OC-SS-429-0.0/1.0-X	16-SEP-09 10:25	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	30-SEP-09	100g Glass	1		
Solid S	TS	16-OCT-09				
SC5606-11	OC-SS-431-0.0/1.0-X	16-SEP-09 11:35	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	30-SEP-09	100g Glass	1		
Solid S	TS	16-OCT-09				
SC5606-12	OC-SS-434-0.0/1.0-X	16-SEP-09 16:15	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	30-SEP-09	100g Glass	1		
Solid S	TS	16-OCT-09				
SC5606-13	OC-SS-440-0.0/1.0-X	16-SEP-09 13:45	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	30-SEP-09	100g Glass	1		
Solid S	TS	16-OCT-09				
SC5606-14	OC-SS-450-0.0/1.0-X	16-SEP-09 15:55	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	30-SEP-09	100g Glass	1		
Solid S	TS	16-OCT-09				
SC5606-15	OC-SS-453-0.0/1.0-X	17-SEP-09 17:40	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	01-OCT-09	100g Glass	1		
Solid S	TS	17-OCT-09				
SC5606-16	OC-SS-455-0.0/1.0-X	16-SEP-09 17:50	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	30-SEP-09	100g Glass	1		
Solid S	TS	16-OCT-09				
SC5606-17	OC-SS-456-0.0/1.0-X	18-SEP-09 13:20	19-SEP-09		08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>	<i>Bottle Count</i>		<i>Comments</i>
Solid S	SW8033M	02-OCT-09	100g Glass	1		
Solid S	TS	18-OCT-09				

0000016



Katahdin Analytical Services
Login Chain of Custody Report (Ino1)

Page: 3 of 3

Sep. 21, 2009
03:37 PM

Login Number: SC5606

Account: OLINCO001
Olin Corporation

Project:

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SC5606-18	OC-SS-457-0.0/1.0-X	17-SEP-09 17:55	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid	S SW8033M	01-OCT-09	100g Glass		1		
Solid	S TS	17-OCT-09					
SC5606-19	OC-SS-459-0.0/1.0-X	18-SEP-09 13:45	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid	S SW8033M	02-OCT-09	100g Glass		1		
Solid	S TS	18-OCT-09					
SC5606-20	OC-SS-460-0.0/1.0-X	16-SEP-09 17:30	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Solid	S SW8033M	30-SEP-09	100g Glass		1		
Solid	S TS	16-OCT-09					
SC5606-21	OC-EBK-011	16-SEP-09 08:35	19-SEP-09			08-OCT-09	
<i>Matrix</i>	<i>Product</i>	<i>Hold Date (shortest)</i>	<i>Bottle Type</i>		<i>Bottle Count</i>		<i>Comments</i>
Aqueous	S SW8033M	30-SEP-09	40mL Vial+HCl		2		

Total Samples: 21

Total Analyses: 41

0000017

SAMPLE DATA SUMMARY PACKAGE

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

- U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.
- * Compound recovery outside of quality control limits.
- D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.
- E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.
- J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
 - or
- J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.
- B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.
- N Presumptive evidence of a compound based on a mass spectral library search.
- A Indicates that a tentatively identified compound is a suspected aldol-condensation product.
- P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS

(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

- U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.
- E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.
- J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
- I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.
- A-4 Please refer to cover letter or narrative for further information.
- MCL Maximum Contaminant Level
- NL No limit
- NFL No Free Liquid Present
- FLP Free Liquid Present
- NOD No Odor Detected
- TON Threshold Odor Number
- H1 Please note that the regulatory holding time for pH is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. pH for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
- H2 Please note that the regulatory holding time for DO is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. DO for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
- H3 Please note that the regulatory holding time for sulfite is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Sulfite for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
- H4 Please note that the regulatory holding time for residual chlorine is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Residual chlorine for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/17/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 13:37
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 21.8

Lab ID: SC5606-1
Client ID: OC-SB-453-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	2.8	1.0	0.80	2.8	2.8
	diethylformamide		96%				

Page 01 of 01 BCI6111.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation Lab ID: SC5606-2
Project: Wilmington Client ID: OC-SB-453-1.0/6.0-X
PO No: SDG: WIL-8
Sample Date: 09/17/09 Extracted by: JLP
Received Date: 09/19/09 Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 24-SEP-2009 13:51 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 77.4

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.69	1.0	0.80	0.69	0.69
	diethylformamide			102%			

Page 01 of 01 BCI6112.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/14/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 14:05
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 91.2

Lab ID: SC5606-3
Client ID: OC-SB-457-28/30-XXX
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.54	1.0	0.80	0.54	0.54
	diethylformamide		96%				

Page 01 of 01 BCI6113.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/18/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 14:19
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 80.9

Lab ID: SC5606-4
Client ID: OC-SB-473-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.66	1.0	0.80	0.66	0.66
	diethylformamide		90%				

Page 01 of 01 BCI6114.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/18/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 14:33
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 83.5

Lab ID: SC5606-5
Client ID: OC-SB-473-4.0/6.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.73	1.0	0.80	0.73	0.73
	diethylformamide		100%				

Page 01 of 01 BCI6115.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/15/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 14:47
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 85.2

Lab ID: SC5606-6
Client ID: OC-SS-420-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.50	1.0	0.80	0.50	0.50
	diethylformamide		98%				

Page 01 of 01 BCI6116.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/15/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 15:01
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 82.5

Lab ID: SC5606-7
Client ID: OC-SS-422-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.84	1.0	0.80	0.84	0.84
	diethylformamide		100%				

Page 01 of 01 BCI6117.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/15/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 15:15
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 86.3

Lab ID: SC5606-8
Client ID: OC-SS-424-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.56	1.0	0.80	0.56	0.56
	diethylformamide		100%				

Page 01 of 01 BCI6118.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 15:29
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 81.3

Lab ID: SC5606-9
Client ID: OC-SS-427-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.73	1.0	0.80	0.73	0.73
	diethylformamide		105%				

Page 01 of 01 BCI6119.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 15:44
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 81.1

Lab ID: SC5606-10
Client ID: OC-SS-429-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.76	1.0	0.80	0.76	0.76
	diethylformamide		104%				

Page 01 of 01 BCI6120.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 16:26
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 86.3

Lab ID: SC5606-11
Client ID: OC-SS-431-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.69	1.0	0.80	0.69	0.69
	diethylformamide		96%				

Page 01 of 01 BCI6123.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 16:40
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 81.8

Lab ID: SC5606-12
Client ID: OC-SS-434-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.88	1.0	0.80	0.88	0.88
	diethylformamide		100%				

Page 01 of 01 BCI6124.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 16:54
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 59.4

Lab ID: SC5606-13
Client ID: OC-SS-440-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.74	1.0	0.80	0.74	0.74
	diethylformamide		96%				

Page 01 of 01 BCI6125.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 17:08
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 66.0

Lab ID: SC5606-14
Client ID: OC-SS-450-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	1.1	1.0	0.80	1.1	1.1
	diethylformamide		99%				

Page 01 of 01 BCI6126.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/17/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 17:22
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 70.6

Lab ID: SC5606-15
Client ID: OC-SS-453-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.86	1.0	0.80	0.86	0.86
	diethylformamide		99%				

Page 01 of 01 BCI6127.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 17:36
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 84.4

Lab ID: SC5606-16
Client ID: OC-SS-455-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.68	1.0	0.80	0.68	0.68
	diethylformamide		88%				

Page 01 of 01 BCI6128.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/18/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 17:50
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 82.7

Lab ID: SC5606-17
Client ID: OC-SS-456-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.80	1.0	0.80	0.80	0.80
	diethylformamide			87%			

Page 01 of 01 BCI6129.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/17/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 18:03
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 88.9

Lab ID: SC5606-18
Client ID: OC-SS-457-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.74	1.0	0.80	0.74	0.74
	diethylformamide		90%				

Page 01 of 01 BCI6130.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/18/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 18:18
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 86.9

Lab ID: SC5606-19
Client ID: OC-SS-459-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.77	1.0	0.80	0.77	0.77
	diethylformamide		76%				

Page 01 of 01 BCI6131.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 18:32
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 83.2

Lab ID: SC5606-20
Client ID: OC-SS-460-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.77	1.0	0.80	0.77	0.77
	diethylformamide		73%				

Page 01 of 01 BCI6132.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date:
Analysis Date: 23-SEP-2009 10:46
Report Date: 10/08/2009
Matrix: WATER
% Solids: NA

Lab ID: SC5606-21
Client ID: OC-EBK-011
SDG: WIL-8
Extracted by:
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 M8033
Lab Prep Batch: WG68988
Units: mg/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.020	1.0	0.020	0.020	0.0048
	diethylformamide			92%			

Page 01 of 01 BCI6070.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Lab ID: WG68961-1
Project: Wilmington Client ID: WG68961-Blank
PO No: SDG: WIL-8
Sample Date: Extracted by: JLP
Received Date: Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 23-SEP-2009 11:01 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 100

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.80	1.0	0.80	0.80	0.80
	diethylformamide		93%				

Page 01 of 01 BCI6071.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Lab ID: WG68988-1
Project: Wilmington Client ID: WG68988-Blank
PO No: SDG: WIL-8
Sample Date: Extracted by:
Received Date: Extraction Method: 8033M
Extraction Date: Analyst: JLP
Analysis Date: 23-SEP-2009 09:22 Analysis Method: SW846 M8033
Report Date: 10/08/2009 Lab Prep Batch: WG68988
Matrix: WATER Units: mg/L
% Solids: NA

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.020	1.0	0.020	0.020	0.0048
	diethylformamide		111%				

Page 01 of 01 BCI6064.d

FORM 2
SOIL DMF SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: WILMINGTON

SDG No.: WIL-8

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	WG68961-BLANK	WG68961-1	93				0
02	WG68961-LCS	WG68961-2	120				0
03	WG68961-LCSD	WG68961-3	112				0
04	OC-SB-453-0.0/1.0-X	SC5606-1	96				0
05	OC-SB-453-1.0/6.0-X	SC5606-2	102				0
06	OC-SB-457-28/30-XXX	SC5606-3	96				0
07	OC-SB-473-0.0/1.0-X	SC5606-4	90				0
08	OC-SB-473-4.0/6.0-X	SC5606-5	100				0
09	OC-SS-420-0.0/1.0-X	SC5606-6	98				0
10	OC-SS-422-0.0/1.0-X	SC5606-7	100				0
11	OC-SS-424-0.0/1.0-X	SC5606-8	100				0
12	OC-SS-427-0.0/1.0-X	SC5606-9	105				0
13	OC-SS-429-0.0/1.0-X	SC5606-10	104				0
14	OC-SS-431-0.0/1.0-X	SC5606-11	96				0
15	OC-SS-434-0.0/1.0-X	SC5606-12	100				0
16	OC-SS-440-0.0/1.0-X	SC5606-13	96				0
17	OC-SS-450-0.0/1.0-X	SC5606-14	99				0
18	OC-SS-453-0.0/1.0-X	SC5606-15	99				0
19	OC-SS-455-0.0/1.0-X	SC5606-16	88				0
20	OC-SS-456-0.0/1.0-X	SC5606-17	87				0
21	OC-SS-457-0.0/1.0-X	SC5606-18	90				0
22	OC-SS-459-0.0/1.0-X	SC5606-19	76				0
23	OC-SS-460-0.0/1.0-X	SC5606-20	73				0
24							
25							
26							
27							
28							

QC LIMITS
(61-137)

SMC1 = diethylformamide

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER DMF SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: WILMINGTON

SDG No.: WIL-8

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	WG68988-BLANK	WG68988-1	111				0
02	WG68988-LCS	WG68988-2	141				0
03	WG68988-LCSD	WG68988-3	135				0
04	OC-EBK-011	SC5606-21	92				0
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

QC LIMITS
(56-154)

SMC1 = diethylformamide

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client: Lab ID: WG68961-2 & WG68961-3
Project: Wilmington Client ID: WG68961-LCS & WG68961-LCSD
PO No: SDG: WIL-8
Sample Date: Extracted by: JLP
Received Date: Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 09/23/09 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD %RPD	QC. LIMIT	QC. LIMITS
dimethylformamide	10	10	NA	7.0	8.1	70	81	16	50	70-130

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client: Lab ID: WG68988-2 & WG68988-3
Project: Wilmington Client ID: WG68988-LCS & WG68988-LCSD
PO No: SDG: WIL-8
Sample Date: Extracted by:
Received Date: Extraction Method: 8033M
Extraction Date: Analyst: JLP
Analysis Date: 09/23/09 Analysis Method: SW846 M8033
Report Date: 10/08/2009 Lab Prep Batch: WG68988
Matrix: WATER Units: mg/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD %RPD	QC. LIMIT	QC. LIMITS
dimethylformamide	0.10	0.10	NA	0.08	0.08	80	82	2	30	70-130

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

WG68961-BLANK

Project: WILMINGTON

SDG No.: WIL-8

Lab File ID: BCI6071

Lab Sample ID: WG68961-1

Date Analyzed: 09/23/09

Time Analyzed: 1101

GC Column: ZB-WAX ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: GC11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG68961-LCS	WG68961-2	BCI6072	09/23/09	1115
02	WG68961-LCSD	WG68961-3	BCI6074	09/23/09	1144
03	OC-SB-453-0.0/1.0-X	SC5606-1	BCI6111	09/24/09	1337
04	OC-SB-453-1.0/6.0-X	SC5606-2	BCI6112	09/24/09	1351
05	OC-SB-457-28/30-XXX	SC5606-3	BCI6113	09/24/09	1405
06	OC-SB-473-0.0/1.0-X	SC5606-4	BCI6114	09/24/09	1419
07	OC-SB-473-4.0/6.0-X	SC5606-5	BCI6115	09/24/09	1433
08	OC-SS-420-0.0/1.0-X	SC5606-6	BCI6116	09/24/09	1447
09	OC-SS-422-0.0/1.0-X	SC5606-7	BCI6117	09/24/09	1501
10	OC-SS-424-0.0/1.0-X	SC5606-8	BCI6118	09/24/09	1515
11	OC-SS-427-0.0/1.0-X	SC5606-9	BCI6119	09/24/09	1529
12	OC-SS-429-0.0/1.0-X	SC5606-10	BCI6120	09/24/09	1544
13	OC-SS-431-0.0/1.0-X	SC5606-11	BCI6123	09/24/09	1626
14	OC-SS-434-0.0/1.0-X	SC5606-12	BCI6124	09/24/09	1640
15	OC-SS-440-0.0/1.0-X	SC5606-13	BCI6125	09/24/09	1654
16	OC-SS-450-0.0/1.0-X	SC5606-14	BCI6126	09/24/09	1708
17	OC-SS-453-0.0/1.0-X	SC5606-15	BCI6127	09/24/09	1722
18	OC-SS-455-0.0/1.0-X	SC5606-16	BCI6128	09/24/09	1736
19	OC-SS-456-0.0/1.0-X	SC5606-17	BCI6129	09/24/09	1750
20	OC-SS-457-0.0/1.0-X	SC5606-18	BCI6130	09/24/09	1803
21	OC-SS-459-0.0/1.0-X	SC5606-19	BCI6131	09/24/09	1818
22	OC-SS-460-0.0/1.0-X	SC5606-20	BCI6132	09/24/09	1832
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS :

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

WG68988-BLANK

Project: WILMINGTON

SDG No.: WIL-8

Lab File ID: BCI6064

Lab Sample ID: WG68988-1

Date Analyzed: 09/23/09

Time Analyzed: 0922

GC Column: ZB-WAX ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: GC11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG68988-LCS	WG68988-2	BCI6065	09/23/09	0936
02	WG68988-LCSD	WG68988-3	BCI6067	09/23/09	1004
03	OC-EBK-011	SC5606-21	BCI6070	09/23/09	1046
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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27					
28					
29					
30					

COMMENTS :

FORM 6
DMF INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project WILMINGTON

SDG No.: WIL-8

Instrument ID: GC11

Calibration Date(s): 09/15/09 09/15/09

Column: ZB-WAX ID: 0.53 (mm) Calibration Time(s): 0936 1143

LAB FILE ID: RF0.02: BCI4073 RF0.05: BCI4074 RF0.1: BCI4075
RF0.25: BCI4077 RF0.5: BCI4079 RF1: BCI4082

COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	COEFFICIENTS		%RSD	MAX %RSD
								A0	A1		
dimethylformamide	921	1500	3764	12201	24415	55088	LINR	2.106e-002	1.811e-005	0.99669	0.99000
diethylformamide	13241	25644	58420	154630	276360		LINR	9.989e-002	1.448e-005	0.99576	0.99000

FORM VI DMF

FORM 6
DMF INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project WILMINGTON

SDG No.: WIL-8

Instrument ID: GC11

Calibration Date(s): 09/24/09 09/24/09

Column: ZB-WAX ID: 0.53 (mm) Calibration Time(s): 0916 1255

LAB FILE ID: RF0.02: BCI6096 RF0.05: BCI6093 RF0.1: BCI6094
RF0.25: BCI6106 RF0.5: BCI6108 RF1: BCI6102

COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	COEFFICIENTS		%RSD	MAX %RSD
								A0	A1		
dimethylformamide	807	1455	3159	11128	24973	52409	LINR	2.151e-002	1.884e-005	0.99800	0.99000
diethylformamide	18124	26583	56762	166800	289080		LINR	9.296e-002	1.38e-005	0.99574	0.99000

FORM VI DMF

Sample Data Summary A0000034

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

Instrument ID: GC11 Calibration Date: 09/23/09 Time: 0852

Lab File ID: BCI6062 Init. Calib. Date(s): 09/15/09 09/15/09

Init. Calib. Times: 0936 1143

GC Column: ZB-WAX ID: 0.53 (mm)

COMPOUND	RRF or	RRF0.2500	CCAL	MIN	%D or	MAX %D or	CURV
	AMOUNT	AMOUNT	RRF0.2500	RRF	%DRIFT	%DRIFT	TYPE
dimethylformamide	0.2015400	0.2500000	39868.000	0.01	-19.38	25.00	LINR
diethylformamide	2.3109000	2.5000000	61071.000	0.01	-7.56	25.00	LINR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

Instrument ID: GC11 Calibration Date: 09/23/09 Time: 1212

Lab File ID: BCI6076 Init. Calib. Date(s): 09/15/09 09/15/09

Init. Calib. Times: 0936 1143

GC Column: ZB-WAX ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV
dimethylformamide	0.1692400	0.2500000	32732.000	0.01	-32.30	25.00	LINR
diethylformamide	1.8903000	2.5000000	49452.000	0.01	-24.39	25.00	LINR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

Instrument ID: GC11 Calibration Date: 09/24/09 Time: 1558

Lab File ID: BCI6121 Init. Calib. Date(s): 09/24/09 09/24/09

Init. Calib. Times: 0916 1255

GC Column: ZB-WAX ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
dimethylformamide	0.2453800	0.2500000	47536.000	0.01	-1.85	25.00	LINR
diethylformamide	2.2311000	2.5000000	61968.000	0.01	-10.76	25.00	LINR

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

Instrument ID: GC11 Calibration Date: 09/24/09 Time: 1846

Lab File ID: BCI6133 Init. Calib. Date(s): 09/24/09 09/24/09

Init. Calib. Times: 0916 1255

GC Column: ZB-WAX ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
dimethylformamide	0.1858500	0.2500000	34896.000	0.01	-25.66	25.00	LINR
diethylformamide	1.8815000	2.5000000	51836.000	0.01	-24.74	25.00	LINR

FORM VII PEST

FORM 8
DMF ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

GC Column: ZB-WAX ID: 0.53 (mm) Init. Calib. Date(s): 09/15/09 09/15/09

Instrument ID: GC11

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION				S1		
	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		ICAL 0.02	09/15/09	0936	2.69	
02		ICAL 0.05	09/15/09	0950	2.69	
03		ICAL 0.1	09/15/09	1004	2.69	
04		ICAL 0.25	09/15/09	1032	2.68	
05		ICAL 0.5	09/15/09	1101	2.69	
06		ICAL 1.0	09/15/09	1143		
07		CV 0.25	09/23/09	0852	2.68	
08	WG68988-BLAN	WG68988-1	09/23/09	0922	2.68	
09	WG68988-LCS	WG68988-2	09/23/09	0936	2.68	
10	WG68988-LCSD	WG68988-3	09/23/09	1004	2.68	
11	OC-EBK-011	SC5606-21	09/23/09	1046	2.68	
12	WG68961-BLAN	WG68961-1	09/23/09	1101	2.68	
13	WG68961-LCS	WG68961-2	09/23/09	1115	2.68	
14	WG68961-LCSD	WG68961-3	09/23/09	1144	2.68	
15		CV 0.25	09/23/09	1212	2.68	
16						
17						
18						
19						
20						

QC LIMITS

S1 = diethylformamide (+/- 0.20 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 8
DMF ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON

SDG No.: WIL-8

GC Column: ZB-WAX ID: 0.53 (mm) Init. Calib. Date(s): 09/24/09 09/24/09

Instrument ID: GC11

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION				S1	RT #	RT #
	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED		
01		ICAL 0.05	09/24/09	0916	2.73	
02		ICAL 0.1	09/24/09	0931	2.73	
03		ICAL 0.02	09/24/09	1003	2.73	
04		ICAL 1.0	09/24/09	1130		
05		ICAL 0.25	09/24/09	1226	2.73	
06		ICAL 0.5	09/24/09	1255	2.73	
07	OC-SB-453-0.	SC5606-1	09/24/09	1337	2.73	
08	OC-SB-453-1.	SC5606-2	09/24/09	1351	2.73	
09	OC-SB-457-28	SC5606-3	09/24/09	1405	2.73	
10	OC-SB-473-0.	SC5606-4	09/24/09	1419	2.73	
11	OC-SB-473-4.	SC5606-5	09/24/09	1433	2.73	
12	OC-SS-420-0.	SC5606-6	09/24/09	1447	2.73	
13	OC-SS-422-0.	SC5606-7	09/24/09	1501	2.73	
14	OC-SS-424-0.	SC5606-8	09/24/09	1515	2.73	
15	OC-SS-427-0.	SC5606-9	09/24/09	1529	2.73	
16	OC-SS-429-0.	SC5606-10	09/24/09	1544	2.73	
17		CV 0.25	09/24/09	1558	2.73	
18	OC-SS-431-0.	SC5606-11	09/24/09	1626	2.73	
19	OC-SS-434-0.	SC5606-12	09/24/09	1640	2.73	
20	OC-SS-440-0.	SC5606-13	09/24/09	1654	2.73	

QC LIMITS

S1 = diethylformamide (+/- 0.20 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 8
DMF ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON

SDG No.: WIL-8

GC Column: ZB-WAX ID: 0.53 (mm) Init. Calib. Date(s): 09/24/09 09/24/09

Instrument ID: GC11

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION					
S1 : 2.73					
	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #
01	OC-SS-450-0.	SC5606-14	09/24/09	1708	2.73
02	OC-SS-453-0.	SC5606-15	09/24/09	1722	2.73
03	OC-SS-455-0.	SC5606-16	09/24/09	1736	2.73
04	OC-SS-456-0.	SC5606-17	09/24/09	1750	2.73
05	OC-SS-457-0.	SC5606-18	09/24/09	1803	2.73
06	OC-SS-459-0.	SC5606-19	09/24/09	1818	2.73
07	OC-SS-460-0.	SC5606-20	09/24/09	1832	2.73
08		CV 0.25	09/24/09	1846	2.73
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

QC LIMITS
S1 = diethylformamide (+/- 0.20 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-1
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SB-453-0.0/L0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	17-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	22. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-2
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

<u>Sample Description</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
OC-SB-453-1.0/6.0-X	SL	17-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	77. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-3
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

<u>Sample Description</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
OC-SB-457-28/30-XXX	SL	14-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	91. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-4
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SB-473-0.0 1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	18-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	81. %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-5
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

<u>Sample Description</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
OC-SB-473-4.0/6.0-X	SL	18-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	83. %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-6
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-420-0.01.0-X

Matrix

Date Sampled

Date Received

SL

15-SEP-09

19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	85. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-7
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

<u>Sample Description</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
OC-SS-422-0.0/1.0-X	SL	15-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	82. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-8
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-424-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	15-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	86. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-9
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-427-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	81 %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-10
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-429-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	81 %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-11
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-431-0.01.0-X

Matrix

SL

Date Sampled

16-SEP-09

Date Received

19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	86. %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
Mactec Engineering and Consulting
P.O. Box 7050 DTS
Portland, ME 04112-7050

Lab Sample ID: SC5606-12
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

<u>Sample Description</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
OC-SS-434-0.01.0-X	SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	82 %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
Mactec Engineering and Consulting
P.O. Box 7050 DTS
Portland, ME 04112-7050

Lab Sample ID: SC5606-13
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-440-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	59. %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-14
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-450-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	66. %	I	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
Mactec Engineering and Consulting
P.O. Box 7050 DTS
Portland, ME 04112-7050

Lab Sample ID: SC5606-15
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-453-0.0/1.0-X

Matrix

SL

Date Sampled

17-SEP-09

Date Received

19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	71.0%	1	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
Mactec Engineering and Consulting
P.O. Box 7050 DTS
Portland, ME 04112-7050

Lab Sample ID: SC5606-16
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

<u>Sample Description</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
OC-SS-455-0.0/1.0-X	SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	84.1%	I	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-17
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-456-0.01.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	18-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	83. %	1	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-18
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

<u>Sample Description</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
OC-SS-457-0.0/1.0-X	SL	17-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	89. %	1	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-19
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

<u>Sample Description</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
OC-SS-459-0.0/1.0-X	SL	18-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	87. %	1	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-20
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-460-0.0 1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	83 %	1	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Quality Control Report

Blank Sample Summary Report

Total Solids

<u>Samp Type</u>	<u>QC Batch</u>	<u>Anal. Method</u>	<u>Anal. Date</u>	<u>Prep. Date</u>	<u>Result</u>	<u>PQL</u>
MBLANK	WG69048	ASTM D2216	24-SEP-09	23-SEP-09	U 1 %	1 %
MBLANK	WG69073	ASTM D2216	24-SEP-09	23-SEP-09	U 1 %	1 %

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis		Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
			Date	Prep Date						
WG69048-2	LCS	WG69048	24-SEP-09	23-SEP-09	%	90	90	100	80-120	
WG69073-2	LCS	WG69073	24-SEP-09	23-SEP-09	%	90	90	100	80-120	
WG69048-3	LCSD	WG69048	24-SEP-09	23-SEP-09	%	90	90	100	80-120	0

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG69073-4	SC5606-4	WG69073	24-SEP-09	%	81.	82.	1	20
WG69048-4	SC5606-14	WG69048	24-SEP-09	%	66.	64.	2	20

DMF DATA

QC Summary Section

FORM 2
SOIL DMF SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: WILMINGTON

SDG No.: WIL-8

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	WG68961-BLANK	WG68961-1	93				0
02	WG68961-LCS	WG68961-2	120				0
03	WG68961-LCSD	WG68961-3	112				0
04	OC-SB-453-0.0/1.0-X	SC5606-1	96				0
05	OC-SB-453-1.0/6.0-X	SC5606-2	102				0
06	OC-SB-457-28/30-XXX	SC5606-3	96				0
07	OC-SB-473-0.0/1.0-X	SC5606-4	90				0
08	OC-SB-473-4.0/6.0-X	SC5606-5	100				0
09	OC-SS-420-0.0/1.0-X	SC5606-6	98				0
10	OC-SS-422-0.0/1.0-X	SC5606-7	100				0
11	OC-SS-424-0.0/1.0-X	SC5606-8	100				0
12	OC-SS-427-0.0/1.0-X	SC5606-9	105				0
13	OC-SS-429-0.0/1.0-X	SC5606-10	104				0
14	OC-SS-431-0.0/1.0-X	SC5606-11	96				0
15	OC-SS-434-0.0/1.0-X	SC5606-12	100				0
16	OC-SS-440-0.0/1.0-X	SC5606-13	96				0
17	OC-SS-450-0.0/1.0-X	SC5606-14	99				0
18	OC-SS-453-0.0/1.0-X	SC5606-15	99				0
19	OC-SS-455-0.0/1.0-X	SC5606-16	88				0
20	OC-SS-456-0.0/1.0-X	SC5606-17	87				0
21	OC-SS-457-0.0/1.0-X	SC5606-18	90				0
22	OC-SS-459-0.0/1.0-X	SC5606-19	76				0
23	OC-SS-460-0.0/1.0-X	SC5606-20	73				0
24							
25							
26							
27							
28							

QC LIMITS
(61-137)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER DMF SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: WILMINGTON

SDG No.: WIL-8

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 #	SMC2 #	SMC3 #	SMC4 #	TOT OUT
01	WG68988-BLANK	WG68988-1	111	_____	_____	_____	0
02	WG68988-LCS	WG68988-2	141	_____	_____	_____	0
03	WG68988-LCSD	WG68988-3	135	_____	_____	_____	0
04	OC-EBK-011	SC5606-21	92	_____	_____	_____	0
05	_____	_____	_____	_____	_____	_____	_____
06	_____	_____	_____	_____	_____	_____	_____
07	_____	_____	_____	_____	_____	_____	_____
08	_____	_____	_____	_____	_____	_____	_____
09	_____	_____	_____	_____	_____	_____	_____
10	_____	_____	_____	_____	_____	_____	_____
11	_____	_____	_____	_____	_____	_____	_____
12	_____	_____	_____	_____	_____	_____	_____
13	_____	_____	_____	_____	_____	_____	_____
14	_____	_____	_____	_____	_____	_____	_____
15	_____	_____	_____	_____	_____	_____	_____
16	_____	_____	_____	_____	_____	_____	_____
17	_____	_____	_____	_____	_____	_____	_____
18	_____	_____	_____	_____	_____	_____	_____
19	_____	_____	_____	_____	_____	_____	_____
20	_____	_____	_____	_____	_____	_____	_____
21	_____	_____	_____	_____	_____	_____	_____
22	_____	_____	_____	_____	_____	_____	_____
23	_____	_____	_____	_____	_____	_____	_____
24	_____	_____	_____	_____	_____	_____	_____
25	_____	_____	_____	_____	_____	_____	_____
26	_____	_____	_____	_____	_____	_____	_____
27	_____	_____	_____	_____	_____	_____	_____
28	_____	_____	_____	_____	_____	_____	_____

SMC1 = diethylformamide

QC LIMITS
(56-154)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

WG68961-BLANK

Project: WILMINGTON

SDG No.: WIL-8

Lab File ID: BCI6071

Lab Sample ID: WG68961-1

Date Analyzed: 09/23/09

Time Analyzed: 1101

GC Column: ZB-WAX ID: 0.53 (mm)

Heated Purge: (Y/N) N

Instrument ID: GC11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG68961-LCS	WG68961-2	BCI6072	09/23/09	1115
02	WG68961-LCSD	WG68961-3	BCI6074	09/23/09	1144
03	OC-SB-453-0.0/1.0-X	SC5606-1	BCI6111	09/24/09	1337
04	OC-SB-453-1.0/6.0-X	SC5606-2	BCI6112	09/24/09	1351
05	OC-SB-457-28/30-XXX	SC5606-3	BCI6113	09/24/09	1405
06	OC-SB-473-0.0/1.0-X	SC5606-4	BCI6114	09/24/09	1419
07	OC-SB-473-4.0/6.0-X	SC5606-5	BCI6115	09/24/09	1433
08	OC-SS-420-0.0/1.0-X	SC5606-6	BCI6116	09/24/09	1447
09	OC-SS-422-0.0/1.0-X	SC5606-7	BCI6117	09/24/09	1501
10	OC-SS-424-0.0/1.0-X	SC5606-8	BCI6118	09/24/09	1515
11	OC-SS-427-0.0/1.0-X	SC5606-9	BCI6119	09/24/09	1529
12	OC-SS-429-0.0/1.0-X	SC5606-10	BCI6120	09/24/09	1544
13	OC-SS-431-0.0/1.0-X	SC5606-11	BCI6123	09/24/09	1626
14	OC-SS-434-0.0/1.0-X	SC5606-12	BCI6124	09/24/09	1640
15	OC-SS-440-0.0/1.0-X	SC5606-13	BCI6125	09/24/09	1654
16	OC-SS-450-0.0/1.0-X	SC5606-14	BCI6126	09/24/09	1708
17	OC-SS-453-0.0/1.0-X	SC5606-15	BCI6127	09/24/09	1722
18	OC-SS-455-0.0/1.0-X	SC5606-16	BCI6128	09/24/09	1736
19	OC-SS-456-0.0/1.0-X	SC5606-17	BCI6129	09/24/09	1750
20	OC-SS-457-0.0/1.0-X	SC5606-18	BCI6130	09/24/09	1803
21	OC-SS-459-0.0/1.0-X	SC5606-19	BCI6131	09/24/09	1818
22	OC-SS-460-0.0/1.0-X	SC5606-20	BCI6132	09/24/09	1832
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

Lab Name: KATAHDIN ANALYTICAL SERVICES	Lab Code: KAS
--	---------------

WG68988-BLANK

Project: WILMINGTON	SDG No.: WIL-8
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Lab File ID: BCI6064	Lab Sample ID: WG68988-1
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Date Analyzed: 09/23/09	Time Analyzed: 0922
-------------------------	---------------------

GC Column: ZB-WAX ID: 0.53 (mm)	Heated Purge: (Y/N) N
--------------------------------------	-----------------------

Instrument ID: GC11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG68988-LCS	WG68988-2	BCI6065	09/23/09	0936
02	WG68988-LCSD	WG68988-3	BCI6067	09/23/09	1004
03	OC-EBK-011	SC5606-21	BCI6070	09/23/09	1046
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM 8
DMF ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON

SDG No.: WIL-8

GC Column: ZB-WAX ID: 0.53 (mm) Init. Calib. Date(s): 09/15/09 09/15/09

Instrument ID: GC11

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION				S1	RT #	RT #
	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED		
01		ICAL 0.02	09/15/09	0936	2.69	
02		ICAL 0.05	09/15/09	0950	2.69	
03		ICAL 0.1	09/15/09	1004	2.69	
04		ICAL 0.25	09/15/09	1032	2.68	
05		ICAL 0.5	09/15/09	1101	2.69	
06		ICAL 1.0	09/15/09	1143		
07		CV 0.25	09/23/09	0852	2.68	
08	WG68988-BLAN	WG68988-1	09/23/09	0922	2.68	
09	WG68988-LCS	WG68988-2	09/23/09	0936	2.68	
10	WG68988-LCSD	WG68988-3	09/23/09	1004	2.68	
11	OC-EBK-011	SC5606-21	09/23/09	1046	2.68	
12	WG68961-BLAN	WG68961-1	09/23/09	1101	2.68	
13	WG68961-LCS	WG68961-2	09/23/09	1115	2.68	
14	WG68961-LCSD	WG68961-3	09/23/09	1144	2.68	
15		CV 0.25	09/23/09	1212	2.68	
16						
17						
18						
19						
20						

QC LIMITS

S1 = diethylformamide (+/- 0.20 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
DMF ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON

SDG No.: WIL-8

GC Column: ZB-WAX ID: 0.53 (mm) Init. Calib. Date(s): 09/24/09 09/24/09

Instrument ID: GC11

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION				S1	RT #	RT #	
	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1	RT #	RT #
01		ICAL 0.05	09/24/09	0916	2.73		
02		ICAL 0.1	09/24/09	0931	2.73		
03		ICAL 0.02	09/24/09	1003	2.73		
04		ICAL 1.0	09/24/09	1130			
05		ICAL 0.25	09/24/09	1226	2.73		
06		ICAL 0.5	09/24/09	1255	2.73		
07	OC-SB-453-0.	SC5606-1	09/24/09	1337	2.73		
08	OC-SB-453-1.	SC5606-2	09/24/09	1351	2.73		
09	OC-SB-457-28	SC5606-3	09/24/09	1405	2.73		
10	OC-SB-473-0.	SC5606-4	09/24/09	1419	2.73		
11	OC-SB-473-4.	SC5606-5	09/24/09	1433	2.73		
12	OC-SS-420-0.	SC5606-6	09/24/09	1447	2.73		
13	OC-SS-422-0.	SC5606-7	09/24/09	1501	2.73		
14	OC-SS-424-0.	SC5606-8	09/24/09	1515	2.73		
15	OC-SS-427-0.	SC5606-9	09/24/09	1529	2.73		
16	OC-SS-429-0.	SC5606-10	09/24/09	1544	2.73		
17		CV 0.25	09/24/09	1558	2.73		
18	OC-SS-431-0.	SC5606-11	09/24/09	1626	2.73		
19	OC-SS-434-0.	SC5606-12	09/24/09	1640	2.73		
20	OC-SS-440-0.	SC5606-13	09/24/09	1654	2.73		

QC LIMITS

S1 = diethylformamide (+/- 0.20 MINUTES)

Column used to flag retention time values with an asterisk.

* Values outside of QC limits.

FORM 8
DMF ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

GC Column: ZB-WAX ID: 0.53 (mm) Init. Calib. Date(s): 09/24/09 09/24/09

Instrument ID: GC11

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS,
SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION				S1	RT #	RT #
	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED		
01	OC-SS-450-0.	SC5606-14	09/24/09	1708	2.73	
02	OC-SS-453-0.	SC5606-15	09/24/09	1722	2.73	
03	OC-SS-455-0.	SC5606-16	09/24/09	1736	2.73	
04	OC-SS-456-0.	SC5606-17	09/24/09	1750	2.73	
05	OC-SS-457-0.	SC5606-18	09/24/09	1803	2.73	
06	OC-SS-459-0.	SC5606-19	09/24/09	1818	2.73	
07	OC-SS-460-0.	SC5606-20	09/24/09	1832	2.73	
08		CV 0.25	09/24/09	1846	2.73	
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
S1 = diethylformamide (+/- 0.20 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Sample Data Section

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

- U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.
- * Compound recovery outside of quality control limits.
- D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.
- E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.
- J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
 - or
- J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.
- B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.
- N Presumptive evidence of a compound based on a mass spectral library search.
- A Indicates that a tentatively identified compound is a suspected aldol-condensation product.
- P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

Katahdin Analytical Services, Inc.

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting.
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant.
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold.
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.
M12	Manual integration saved in method due to TurboChrom floating point error.

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/17/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 13:37
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 21.8

Lab ID: SC5606-1
Client ID: OC-SB-453-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	2.8	1.0	0.80	2.8	2.8
	diethylformamide		96%				

Page 01 of 01 BCI6111.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6111.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6111.d
Lab Smp Id: SC5606-1 Client Smp ID: OC-SB-453-0.0/1.0-X
Inj Date : 24-SEP-2009 13:37
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-1
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00129	Sample Weight
M	78.230	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS							REVIEW CODE	
	ON-COLUMN			FINAL					
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)			
\$ 2 diethylformamide	2.733	2.733	0.000	27989	0.47925	68.3 (M)	M5	JLP 100% 0709	

QC Flag Legend

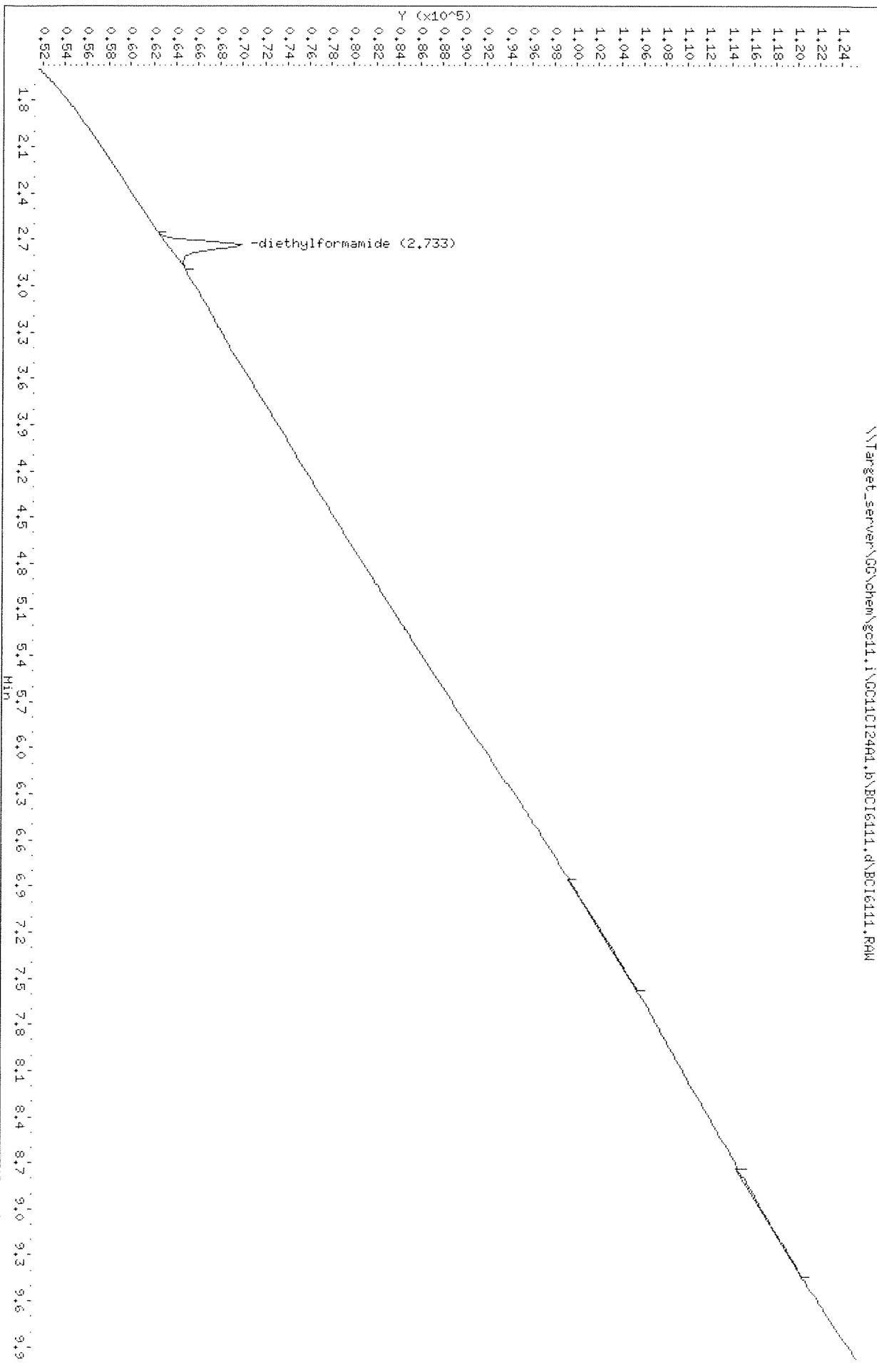
M - Compound response manually integrated.

Data File: \\Target_server\\GC\\chem\\gc11.i\\GC11C124A1.b\\BC16111.d
Date : 24-SEP-2009 17:37
Client ID: OC-SR-453-0.0/1.0-X

Sample Info: DMFB039A.H,GC11C124A1,B,1,SC5606-11
Purge Volume: 0.0
Column phase: ZB-WAX

\\Target_server\\GC\\chem\\gc11.i\\GC11C124A1.b\\BC16111.d\\BC16111.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation Lab ID: SC5606-2
Project: Wilmington Client ID: OC-SB-453-1.0/6.0-X
PO No: SDG: WIL-8
Sample Date: 09/17/09 Extracted by: JLP
Received Date: 09/19/09 Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 24-SEP-2009 13:51 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 77.4

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.69	1.0	0.80	0.69	0.69
	diethylformamide		102%				

Page 01 of 01 BCI6112.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6112.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6112.d
Lab Smp Id: SC5606-2 Client Smp ID: OC-SB-453-1.0/6.0-X
Inj Date : 24-SEP-2009 13:51
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-2
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00150	Sample Weight
M	22.616	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL	
					(mg/L)	(mg/Kgdrwt)	
2 diethylformamide	2.733	2.733	0.000	30142	0.50896	17.5 (M)	MS

QC Flag Legend

M - Compound response manually integrated.

JL
100809

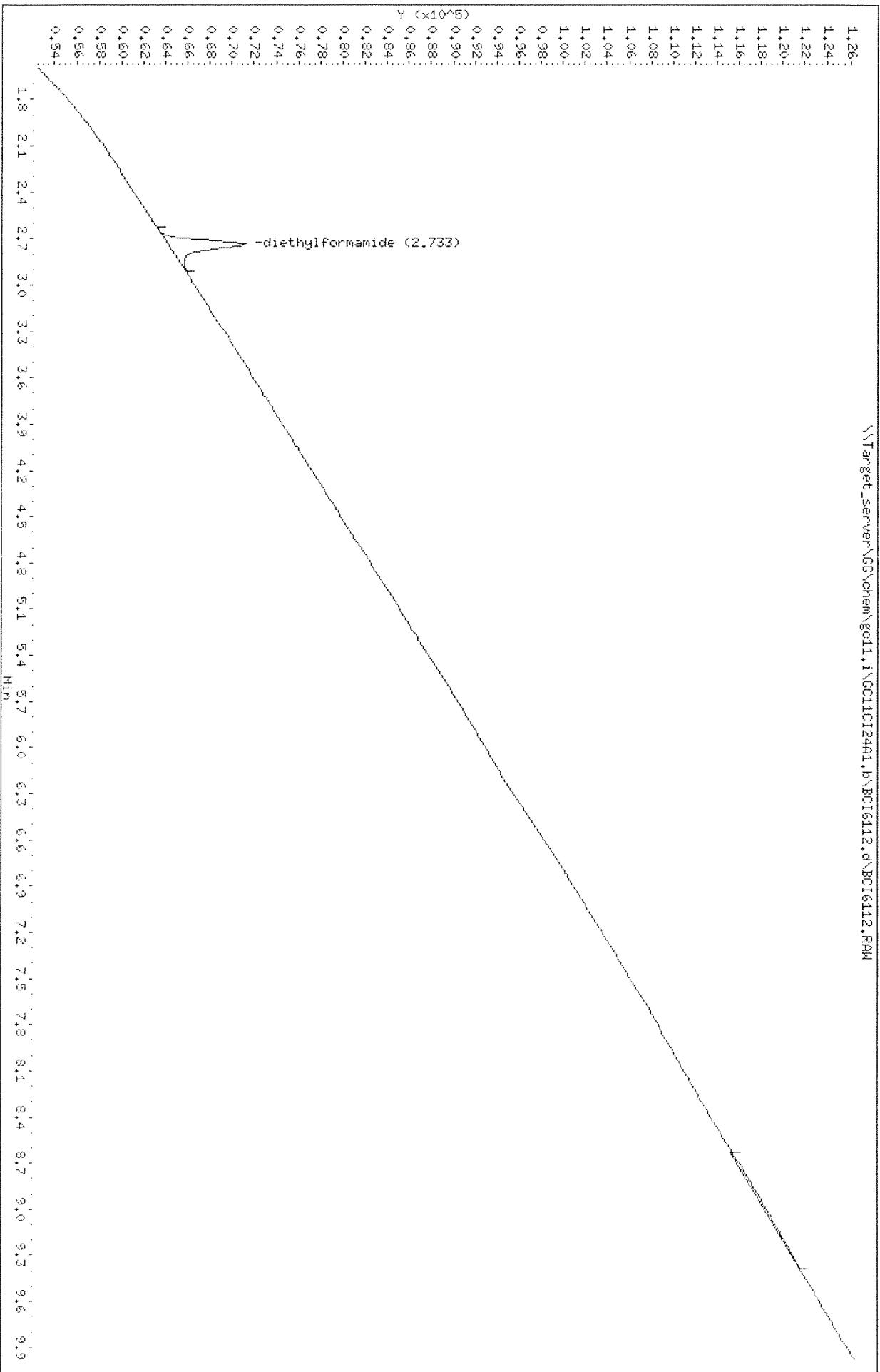
Data File: \\Target_server\GC\chem\gc11.i\GC11C124A1.b\BC16112.d
Date : 24-SEP-2009 13:51
Client ID: 0C-SB-45341.0/6.0-X

Sample Info: DMFB039A.M,GC11C124A1.B,1,SC5606-2
Purge Volume: 0.0
Column phase: ZB-WAX

\\Target_server\GC\chem\gc11.i\GC11C124A1.b\BC16112.d\\BC16112.RAW

Instrument: sci1.i

Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/14/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 14:05
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 91.2

Lab ID: SC5606-3
Client ID: OC-SB-457-28/30-XXX
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.54	1.0	0.80	0.54	0.54
	diethylformamide		96%				

Page 01 of 01 BCI6113.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6113.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6113.d
Lab Smp Id: SC5606-3 Client Smp ID: OC-SB-457-28/30-XXX
Inj Date : 24-SEP-2009 14:05
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M, GC11CI24A1.B, 1, SC5606-3
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jpescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00162	Sample Weight
M	8.820	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)	
\$ 2 diethylformamide	2.733	2.733	0.000	28074	0.48042	13.0 (M)	M5

QC Flag Legend

M - Compound response manually integrated.

JY
100809

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16113.d
Date : 24-SEP-2009 14:05

Client ID: OC-SB-457-28/30-XXX

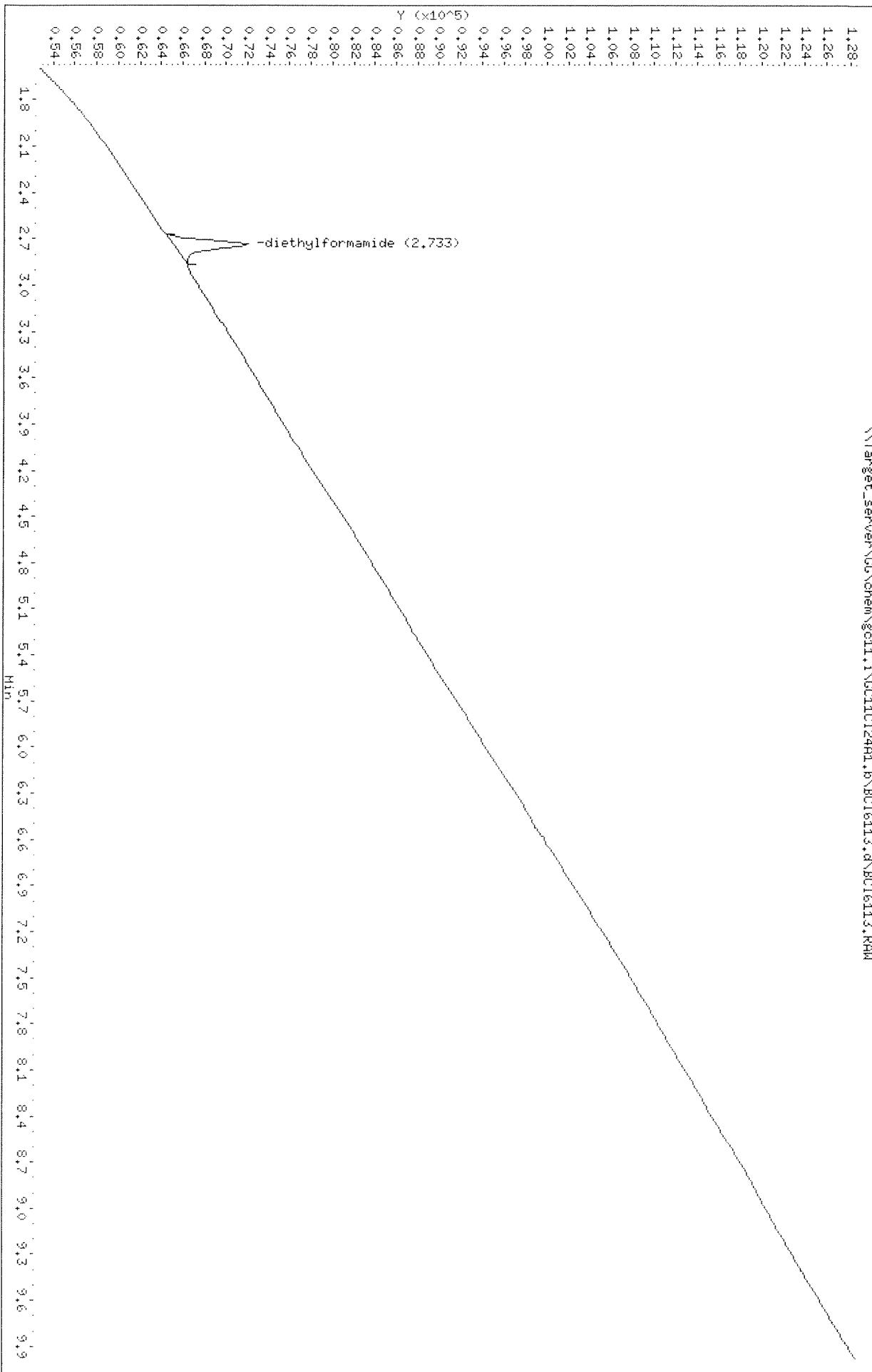
Sample Info: DMFB039A.M,GC11C124A1.B,1,SC5606-3

Purge Volume: 0.0

Column phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16113.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/18/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 14:19
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 80.9

Lab ID: SC5606-4
Client ID: OC-SB-473-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.66	1.0	0.80	0.66	0.66
	diethylformamide		90%				

Page 01 of 01 BCI6114.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6114.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6114.d
Lab Smp Id: SC5606-4 Client Smp ID: OC-SB-473-0.0/1.0-X
Inj Date : 24-SEP-2009 14:19
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-4
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00149	Sample Weight
M	19.114	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (mg/L)	FINAL (mg/Kgdrwt)	
\$ 2 diethylformamide	2.733	2.733	0.000	25990	0.45166	15.0 (M)	MS

QC Flag Legend

M - Compound response manually integrated.

JLP
100809

Data File: \\Target_server\GG\chem\gc11.i\GC11C12401.b\BCI6114.d
Date : 24-SEP-2009 14:19

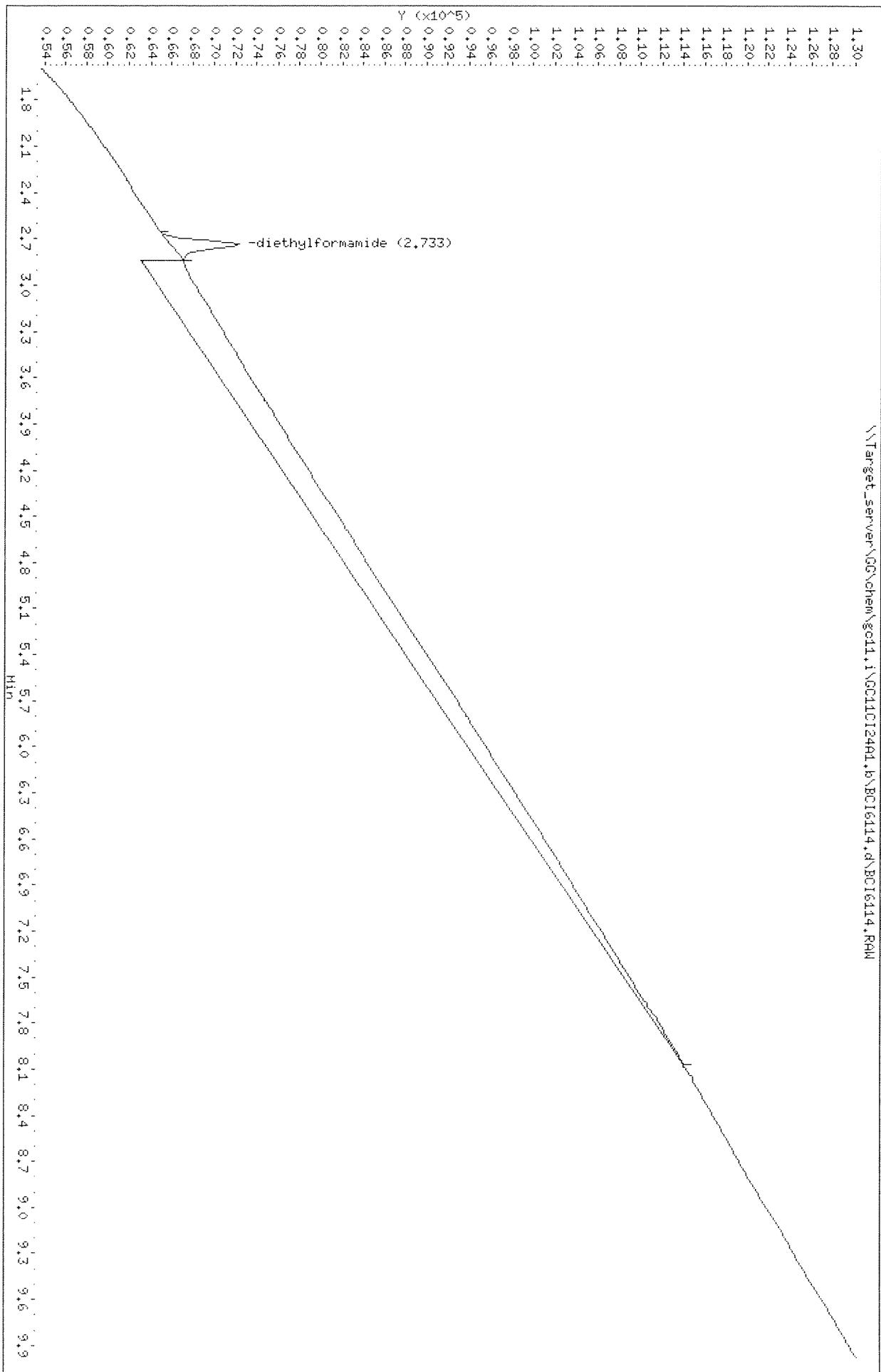
Client ID: 0C-SB-473-0.0/1.0-X

Purge Volume: 0.0

Column phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C12401.b\BCI6114.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/18/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 14:33
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 83.5

Lab ID: SC5606-5
Client ID: OC-SB-473-4.0/6.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.73	1.0	0.80	0.73	0.73
	diethylformamide		100%				

Page 01 of 01 BCI6115.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6115.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6115.d
Lab Smp Id: SC5606-5 Client Smp ID: OC-SB-473-4.0/6.0-X
Inj Date : 24-SEP-2009 14:33
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-5
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00131	Sample Weight
M	16.518	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)	
\$ 2 diethylformamide	2.733	2.733	0.000	29649	0.50216	18.4 (M)	MS

QC Flag Legend

M - Compound response manually integrated.

JLP
100%
JLP

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC1615.d
Date : 24-SEP-2009 14:33

Client ID: OC-SB-473-4,0/6,0-X

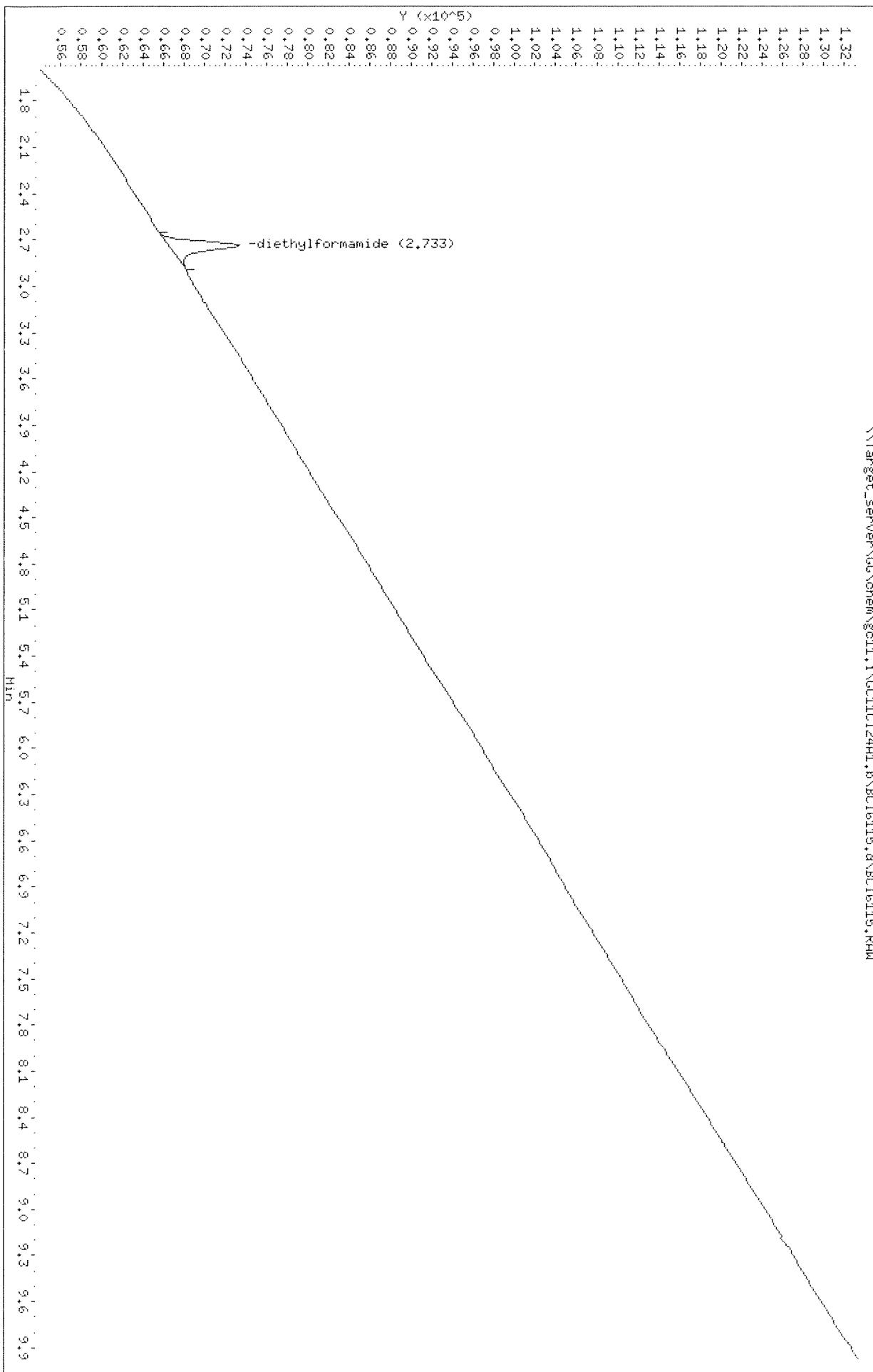
Sample Info: DMFB03A.H,GC11C124A1.B,1,SC5506-5

Purge Volume: 0.0

Column Phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC1615.d\BC1615.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/15/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 14:47
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 85.2

Lab ID: SC5606-6
Client ID: OC-SS-420-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.50	1.0	0.80	0.50	0.50
	diethylformamide		98%				

Page 01 of 01 BCI6116.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6116.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6116.d
Lab Smp Id: SC5606-6 Client Smp ID: OC-SS-420-0.0/1.0-X
Inj Date : 24-SEP-2009 14:47
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-6
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmFB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00189	Sample Weight
M	14.762	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)	
	=====	=====	=====	=====	=====	=====	=====
\$ 2 diethylformamide	2.733	2.733	0.000	28667	0.48860	12.1(M)	M5

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\\GC\\chem\\gc11.i\\GC11C124A1.b\\BC16116.d
Date : 24-SEP-2009 14:47

Client ID: OC-SS-420-0.0/1.0-X

Sample Info: DMFB039A.M,GC11C124A1.B,1,SC5606-6

Purge Volume: 0.0

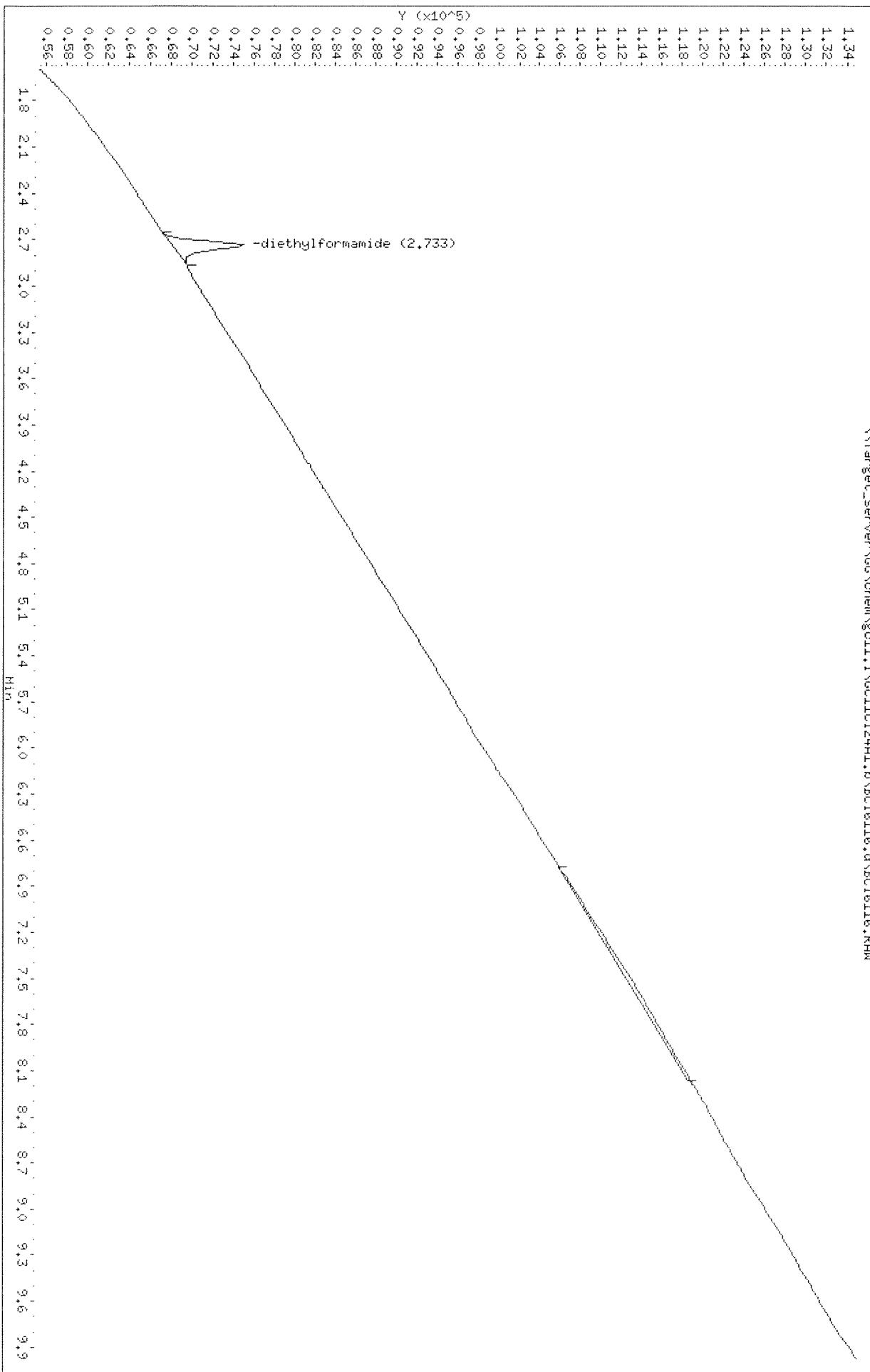
Column phase: ZB-WAX

Instrument: gc11.i

Operator: JLP

Column diameter: 0.53

\\Target_server\\GC\\chem\\gc11.i\\GC11C124A1.b\\BC16116.RAW



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/15/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 15:01
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 82.5

Lab ID: SC5606-7
Client ID: OC-SS-422-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.84	1.0	0.80	0.84	0.84
	diethylformamide		100%				

Page 01 of 01 BCI6117.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6117.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6117.d
Lab Smp Id: SC5606-7 Client Smp ID: OC-SS-422-0.0/1.0-X
Inj Date : 24-SEP-2009 15:01
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-7
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00116	Sample Weight
M	17.451	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)	
\$ 2 diethylformamide	2.733	2.733	0.000	29442	0.49930	20.8 (M)	M5

JLP 10/8/09

QC Flag Legend

M - Compound response manually integrated.

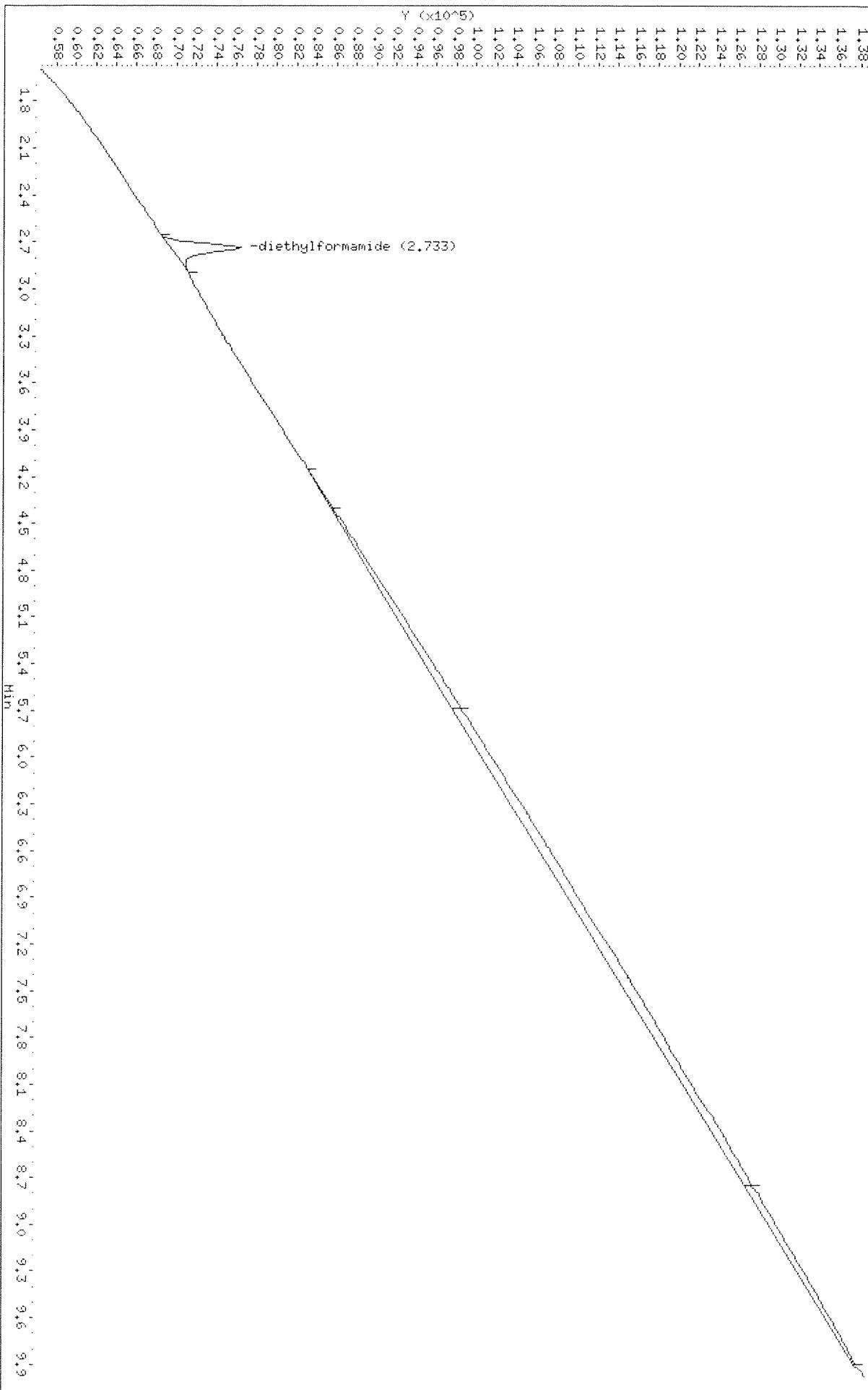
Data File: \\Target_server\\GC\\chem\\gc11.i\\GC11C124A1.b\\BC16117.d
Date : 24-SEP-2009 15:01

Client ID: 0C-SS-422-0.0/1.0-X
Sample Info: DHFB039A.M,GC11C124A1.B,1,SC5606-7
Purge Volume: 0.0

Column phase: ZB-WAX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\\GC\\chem\\gc11.i\\GC11C124A1.b\\BC16117.RAW



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/15/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 15:15
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 86.3

Lab ID: SC5606-8
Client ID: OC-SS-424-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.56	1.0	0.80	0.56	0.56
	diethylformamide		100%				

Page 01 of 01 BCI6118.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6118.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6118.d
Lab Smp Id: SC5606-8 Client Smp ID: OC-SS-424-0.0/1.0-X
Inj Date : 24-SEP-2009 15:15
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-8
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00164	Sample Weight
M	13.701	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)	
	=====	=====	=====	=====	=====	=====	
\$ 2 diethylformamide	2.733	2.733	0.000	29600	0.50148	14.2 (M)	M5

QC Flag Legend

M - Compound response manually integrated.

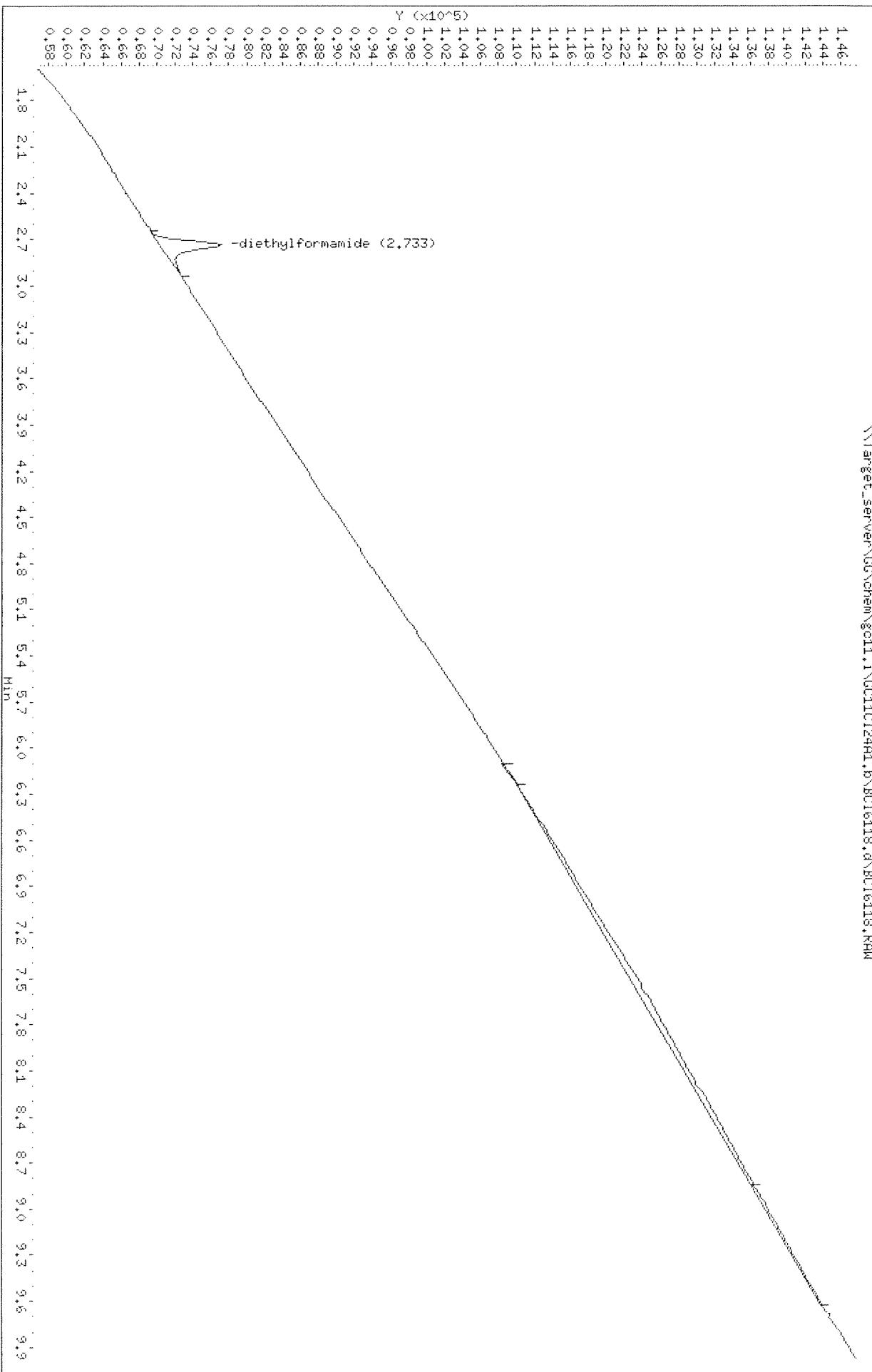
Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16118.d
Date : 24-SEP-2009 15:15

Client ID: 0C-SS-424-0.0/1.0-X
Sample Info: DMFB039A.M,GC11C124A1.B,1,SC5606-8
Purge Volume: 0.0

Column phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16118.d\BC16118.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 15:29
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 81.3

Lab ID: SC5606-9
Client ID: OC-SS-427-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.73	1.0	0.80	0.73	0.73
	diethylformamide		105%				

Page 01 of 01 BCI6119.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6119.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6119.d
Lab Smp Id: SC5606-9 Client Smp ID: OC-SS-427-0.0/1.0-X
Inj Date : 24-SEP-2009 15:29
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M, GC11CI24A1.B, 1, SC5606-9
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00135	Sample Weight
M	18.720	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)	
	=====	=====	=====	=====	=====	=====	=====
\$ 2 diethylformamide	2.733	2.733	0.000	31368	0.52588	19.2 (M)	MS

QC Flag Legend

M - Compound response manually integrated.

JL
100809

Data File: \\Target_server\\GC\\chem\\gc11.i\\GC11C124A1.b\\EC16119.d
Date : 24-SEP-2009 15:29

Client ID: OC-SS-427-0.0/1.0-X

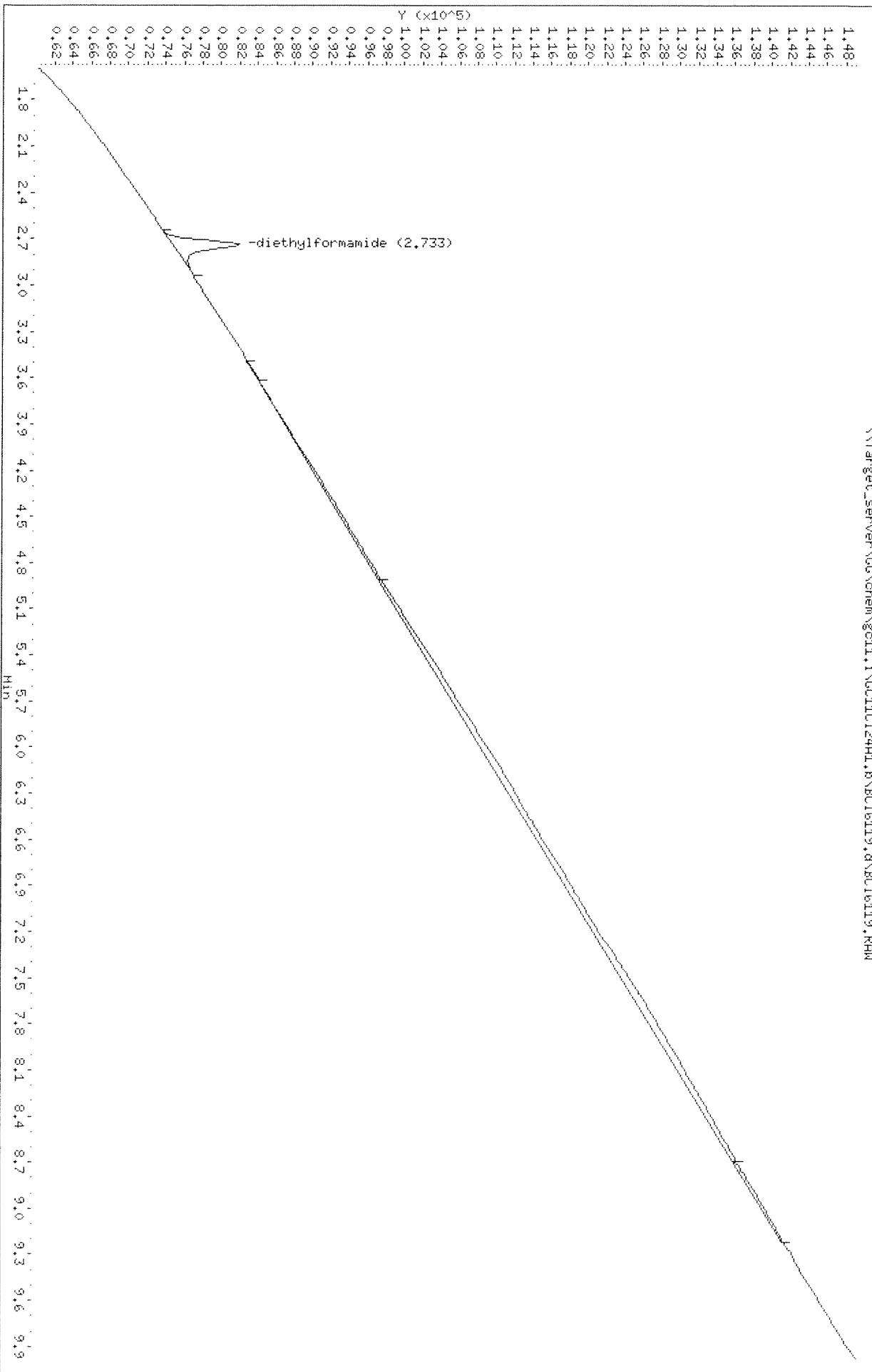
Sample Info: DMFB039A.M,GC11C124A1.B,1,SC5606-9

Purge Volume: 0.0

Column phase: ZB-WAX

\\Target_server\\GC\\chem\\gc11.i\\GC11C124A1.b\\EC16119.d\\EC16119.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 15:44
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 81.1

Lab ID: SC5606-10
Client ID: OC-SS-429-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.76	1.0	0.80	0.76	0.76
	diethylformamide		104%				

Page 01 of 01 BCI6120.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6120.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6120.d
Lab Smp Id: SC5606-10 Client Smp ID: OC-SS-429-0.0/1.0-X
Inj Date : 24-SEP-2009 15:44
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-10
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00130	Sample Weight
M	18.898	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS							REVIEW CODE
	ON-COLUMN			FINAL				
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)		
\$ 2 diethylformamide	2.733	2.733	0.000	31074	0.52182	19.8 (M)	M5	

QC Flag Legend

M - Compound response manually integrated.

JLP
100707

Data File: \\Target_server\\GG\\chem\\gc11.i\\GC11C124a1.b\\EC16120.d
Date : 24-SEP-2009 15:44

Client ID: OC-SS-429-0.0/1.0-X

Sample Info: DMFB039A.M,GC11C124a1.B,1,SC5606-10

Purge Volume: 0.0

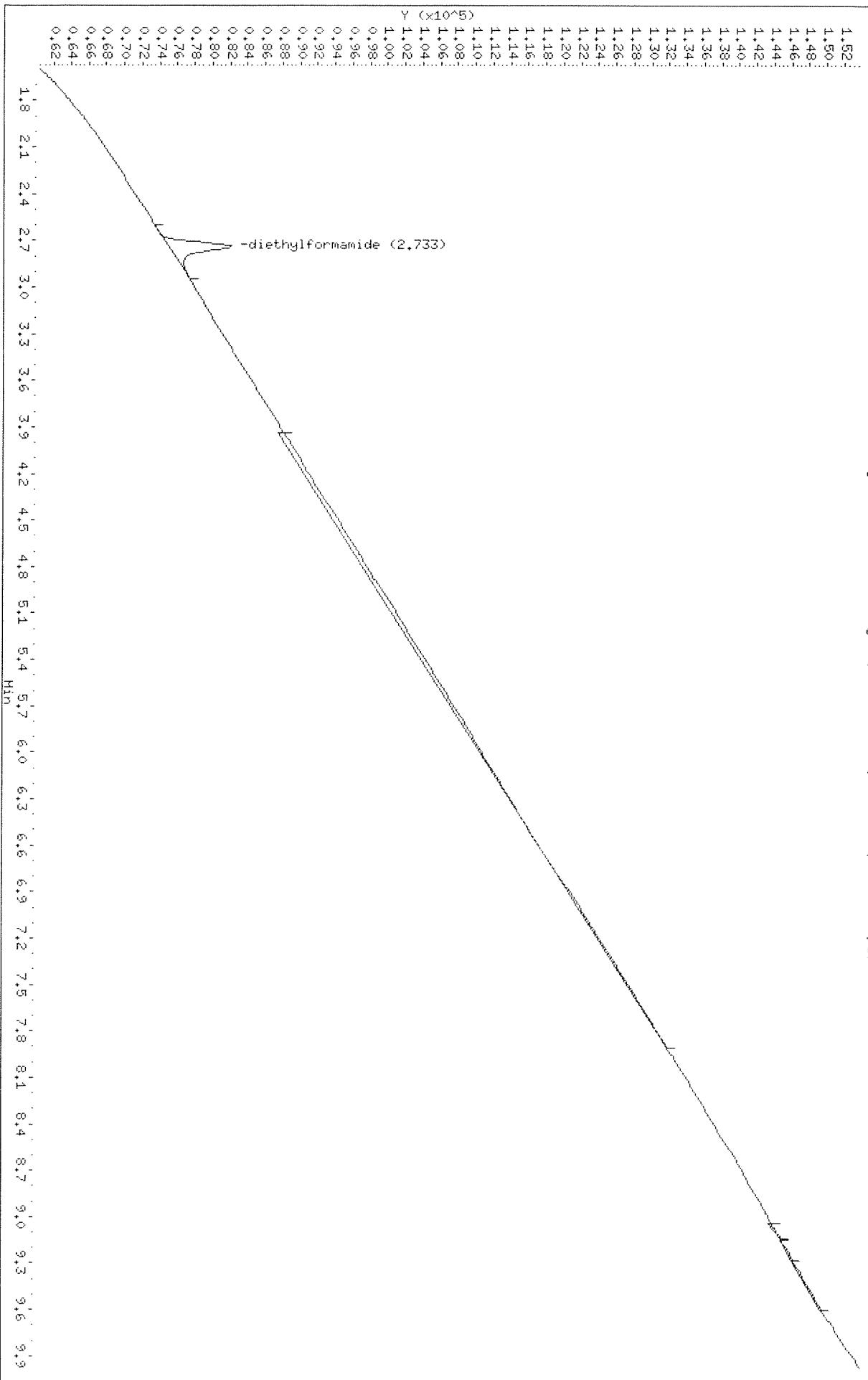
Column phase: ZB-WAX

\\Target_server\\GG\\chem\\gc11.i\\GC11C124a1.b\\EC16120.d\\EC16120.RAW

Instrument: gc11.i

Operator: JLP

Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 16:26
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 86.3

Lab ID: SC5606-11
Client ID: OC-SS-431-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.69	1.0	0.80	0.69	0.69
	diethylformamide		96%				

Page 01 of 01 BCI6123.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6123.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6123.d
Lab Smp Id: SC5606-11 Client Smp ID: OC-SS-431-0.0/1.0-X
Inj Date : 24-SEP-2009 16:26
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-11
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00135	Sample Weight
M	13.731	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS							REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	FINAL (mg/Kgdrwt)		
	=====	=====	=====	=====	=====	=====		
\$ 2 diethylformamide	2.733	2.733	0.000	28165	0.48167	16.5 (M)	M5	

QC Flag Legend

M - Compound response manually integrated.

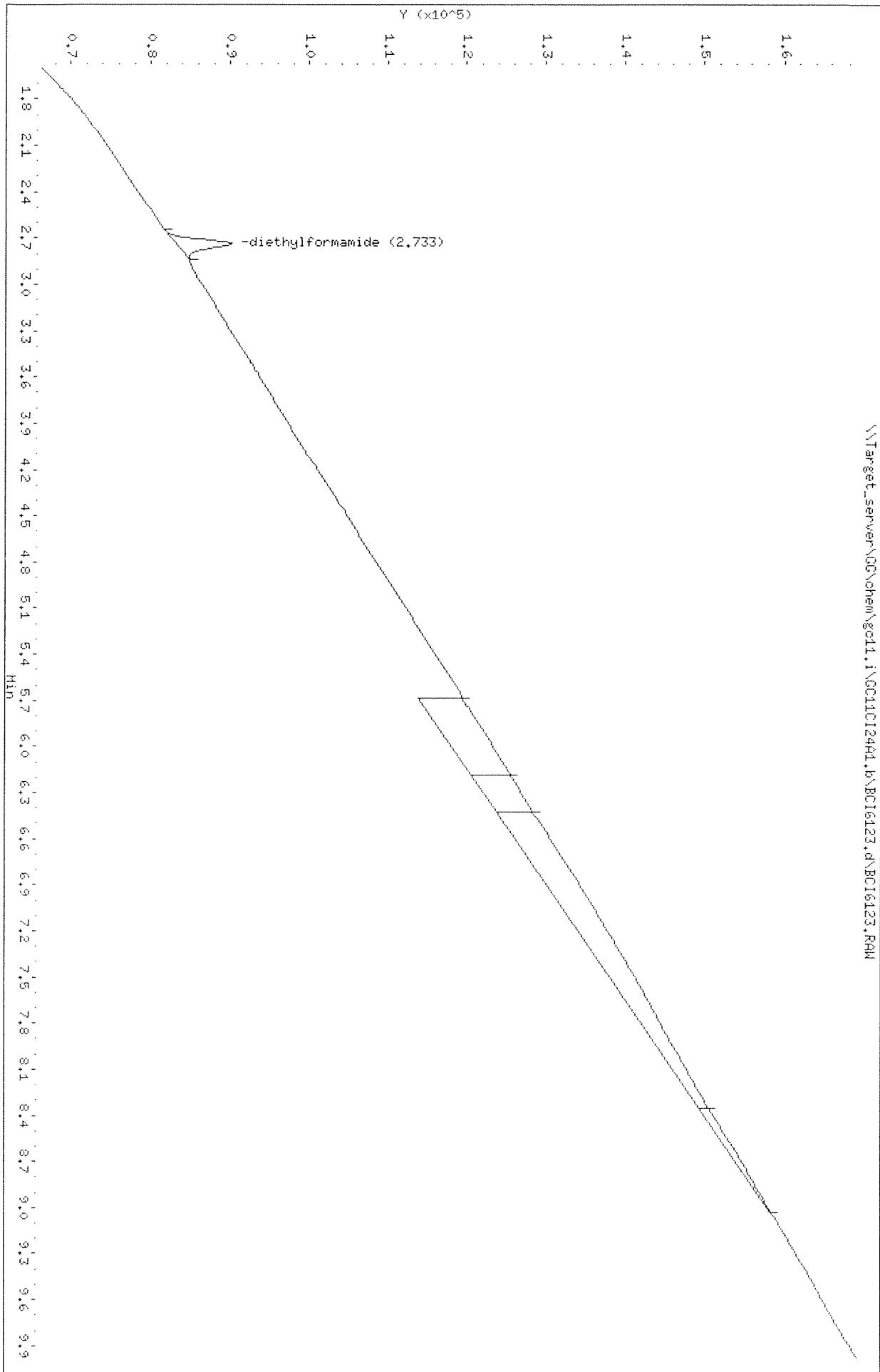
JLP
10/8/09

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16123.d
Date : 24-SEP-2009 16:26
Client ID: OC-SS-431-0,0/1.0-X

Sample Info: DMFB039A.M,GC11C124A1.B,1,SC5606-11
Purge Volume: 0.0
Column Phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16123.d\BC16123.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 16:40
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 81.8

Lab ID: SC5606-12
Client ID: OC-SS-434-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.88	1.0	0.80	0.88	0.88
	diethylformamide		100%				

Page 01 of 01 BCI6124.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6124.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6124.d
Lab Smp Id: SC5606-12 Client Smp ID: OC-SS-434-0.0/1.0-X
Inj Date : 24-SEP-2009 16:40
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-12
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00111	Sample Weight
M	18.202	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT	RT	RESPONSE	ON-COLUMN	
						(mg/L)	
\$ 2 diethylformamide	2.733	2.733	0.000		29562	0.50095	22.1 (M) M5

QC Flag Legend

M - Compound response manually integrated.

JLP
100709

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16124.d
Date : 24-SEP-2009 16:40

Client ID: OC-SS-434-0.0/1.0-X
Purge Volume: 0.0

Column phase: ZB-WAX

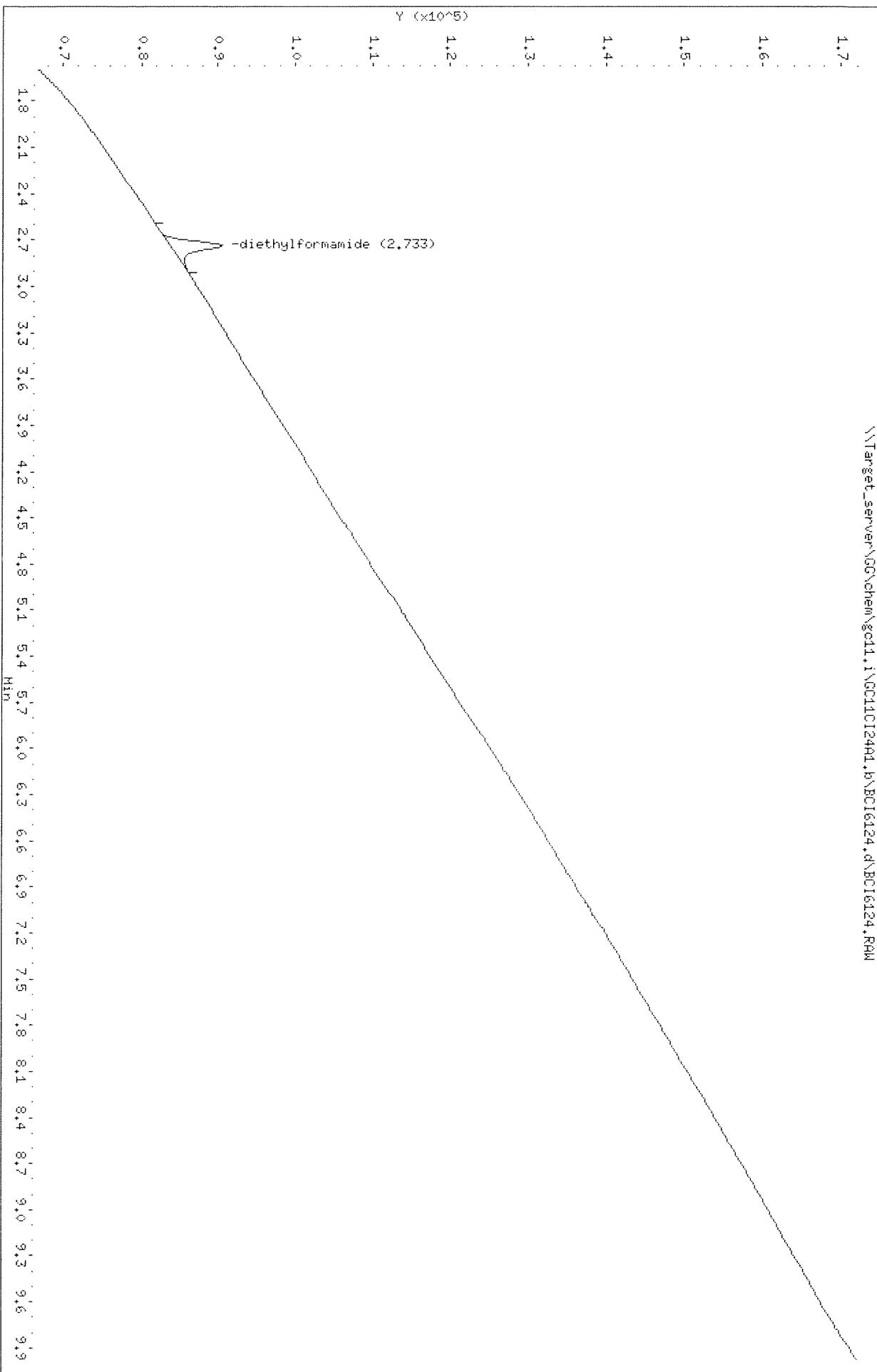
Sample Info: DMFB039A.M,GC11C124A1.B,1,SC5606-12

Instrument: gc11.i

Operator: JLP

Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16124.d\BC16124.RAW



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 16:54
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 59.4

Lab ID: SC5606-13
Client ID: OC-SS-440-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.74	1.0	0.80	0.74	0.74
	diethylformamide		96%				

Page 01 of 01 BCI6125.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6125.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6125.d
Lab Smp Id: SC5606-13 Client Smp ID: OC-SS-440-0.0/1.0-X
Inj Date : 24-SEP-2009 16:54
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-13
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00181	Sample Weight
M	40.547	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS							REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL		
					(mg/L)	(mg/Kgdrwt)		
\$ 2 diethylformamide	2.733	2.733	0.000	28133	0.48123	17.9 (M)	MS	100807

QC Flag Legend

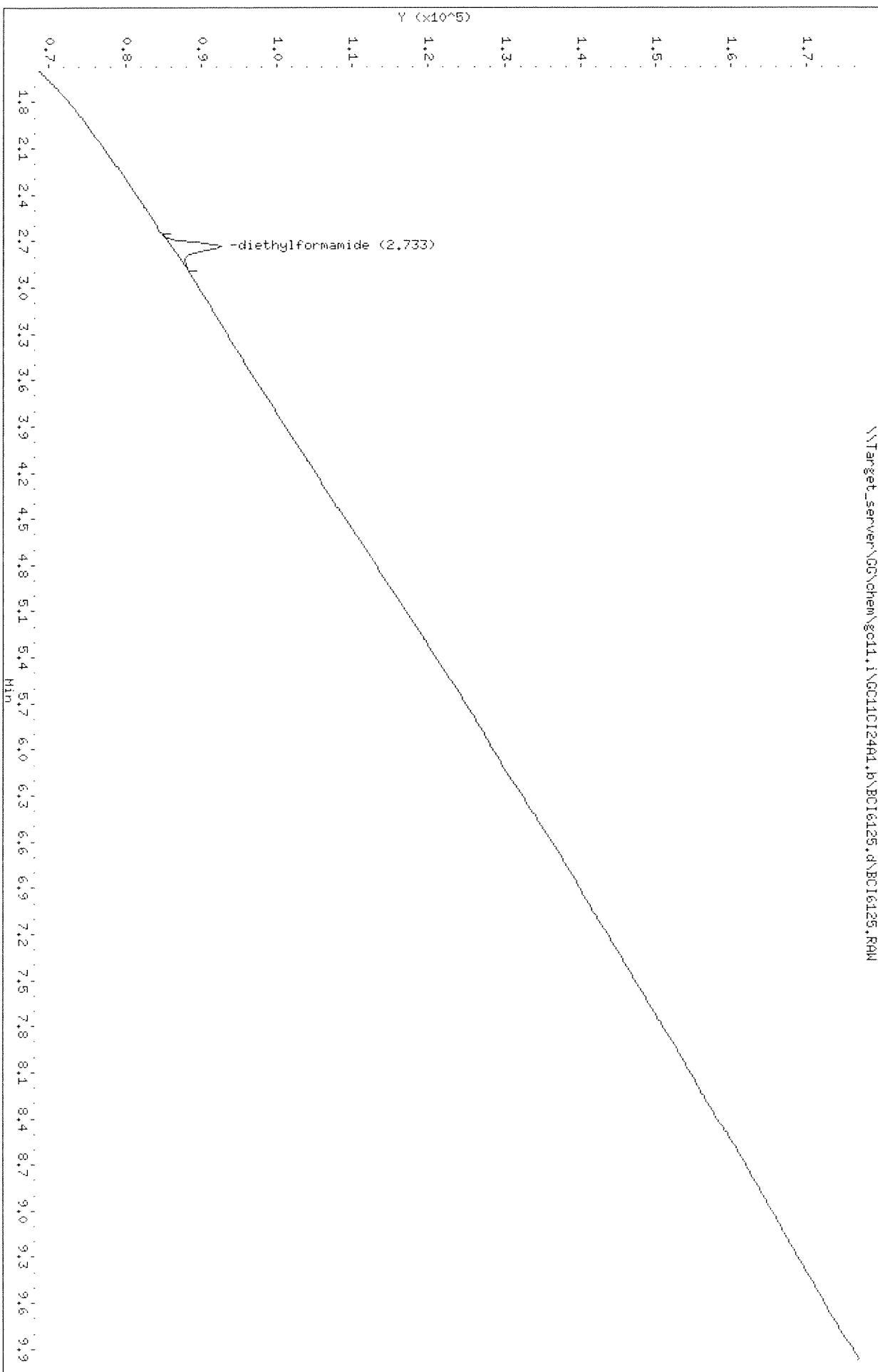
M - Compound response manually integrated.

Data File: \\Target_server\\GG\\chem\\gc11.i\\GC11C12401.b\\EC16125.d
Date : 24-SEP-2009 16:54
Client ID: 0C-GS-440-0,0/1-0-X

Sample Info: DMFB039A.M,GC11C12401.B,1,SC5606-13
Purge Volume: 0.0
Column phase: ZB-WAX

\\\\Target_server\\GG\\chem\\gc11.i\\GC11C12401.b\\EC16125.d\\EC16125.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation Lab ID: SC5606-14
Project: Wilmington Client ID: OC-SS-450-0.0/1.0-X
PO No: SDG: WIL-8
Sample Date: 09/16/09 Extracted by: JLP
Received Date: 09/19/09 Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 24-SEP-2009 17:08 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 66.0

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	1.1	1.0	0.80	1.1	1.1
	diethylformamide		99%				

Page 01 of 01 BCI6126.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6126.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6126.d
Lab Smp Id: SC5606-14 Client Smp ID: OC-SS-450-0.0/1.0-X
Inj Date : 24-SEP-2009 17:08
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-14
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo) * (100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00112	Sample Weight
M	34.004	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (mg/L)	FINAL (mg/Kgdrwt)	
\$ 2 diethylformamide	2.733	2.733	0.000	29296	0.49728	26.9 (M)	M5

QC Flag Legend

M - Compound response manually integrated.

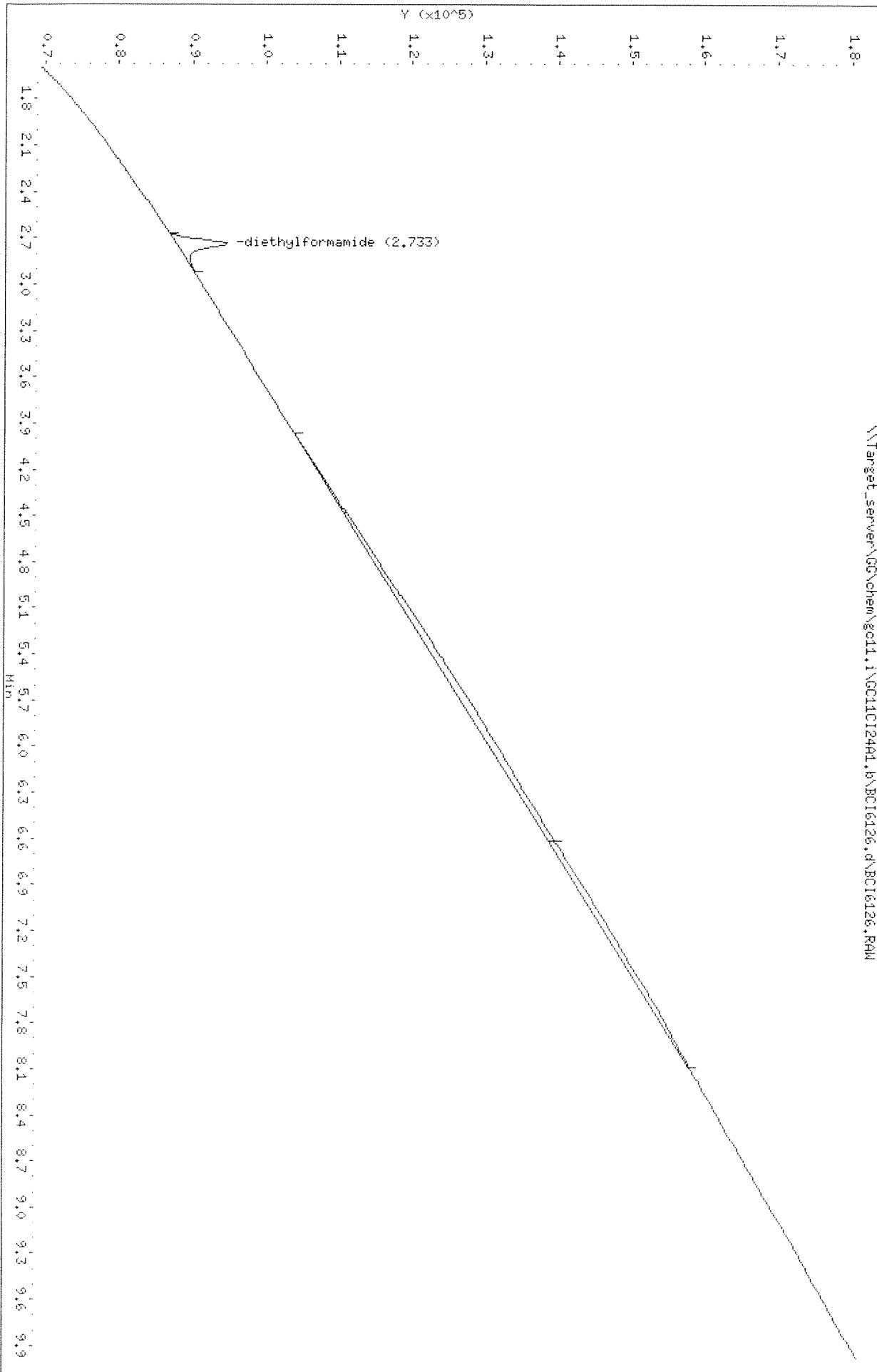
Data File: \\Target_server\GC\chem\gcl1.i\GC11C124a1.b\BC16126.d
Date : 24-SEP-2009 17:08

Client ID: OC-SS-450-0.0/1.0-X
Sample Info: DMFB039A.M,GC11C124a1.B,1,SC5606-14
Purge Volume: 0.0

Column phase: ZB-WAX

Instrument: gcl1.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GC\chem\gcl1.i\GC11C124a1.b\BC16126.d\BC16126.RAW



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation Lab ID: SC5606-15
Project: Wilmington Client ID: OC-SS-453-0.0/1.0-X
PO No: SDG: WIL-8
Sample Date: 09/17/09 Extracted by: JLP
Received Date: 09/19/09 Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 24-SEP-2009 17:22 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 70.6

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.86	1.0	0.80	0.86	0.86
	diethylformamide		99%				

Page 01 of 01 BCI6127.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6127.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6127.d
Lab Smp Id: SC5606-15 Client Smp ID: OC-SS-453-0.0/1.0-X
Inj Date : 24-SEP-2009 17:22
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-15
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jpescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00132	Sample Weight
M	29.357	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS		REVIEW CODE
					ON-COLUMN (mg/L)	FINAL (mg/Kgdrwt)	
\$ 2 diethylformamide	2.733	2.733	0.000	29007	0.49329	21.2(M)	M5

QC Flag Legend

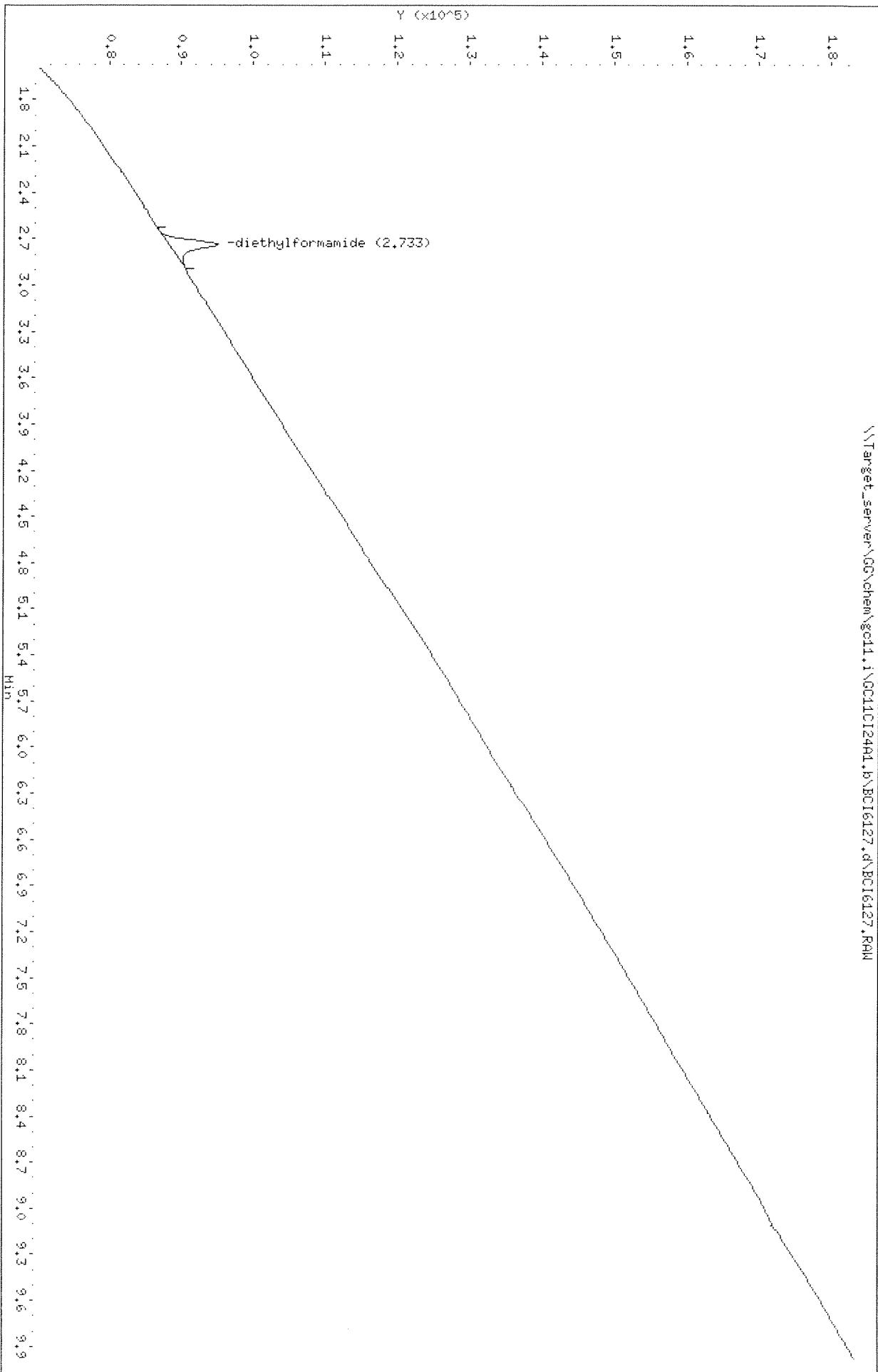
M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc11.i\GC11C124A1.b\EC16127.d
Date : 24-SEP-2009 17:22

Client ID: OC-SS-453-0.0/1-0-X
Sample Info: DMFB039A.M,GC11C124A1.B,1,SC5606-15
Purge Volume: 0.0
Column phase: ZB-WAX

\\Target_server\GC\chem\gc11.i\GC11C124A1.b\EC16127.d\EC16127.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation Lab ID: SC5606-16
Project: Wilmington Client ID: OC-SS-455-0.0/1.0-X
PO No: SDG: WIL-8
Sample Date: 09/16/09 Extracted by: JLP
Received Date: 09/19/09 Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 24-SEP-2009 17:36 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 84.4

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.68	1.0	0.80	0.68	0.68
	diethylformamide		88%				

Page 01 of 01 BCI6128.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6128.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6128.d
Lab Smp Id: SC5606-16 Client Smp ID: OC-SS-455-0.0/1.0-X
Inj Date : 24-SEP-2009 17:36
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-16
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00139	Sample Weight
M	15.583	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL	
					(mg/L)	(mg/Kgdrwt)	
\$ 2 diethylformamide	2.733	2.733	0.000	25062	0.43885	15.0 (M)	MS

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc11.i\GC11C12401.b\EC16128.d
Date : 24-SEP-2009 17:36

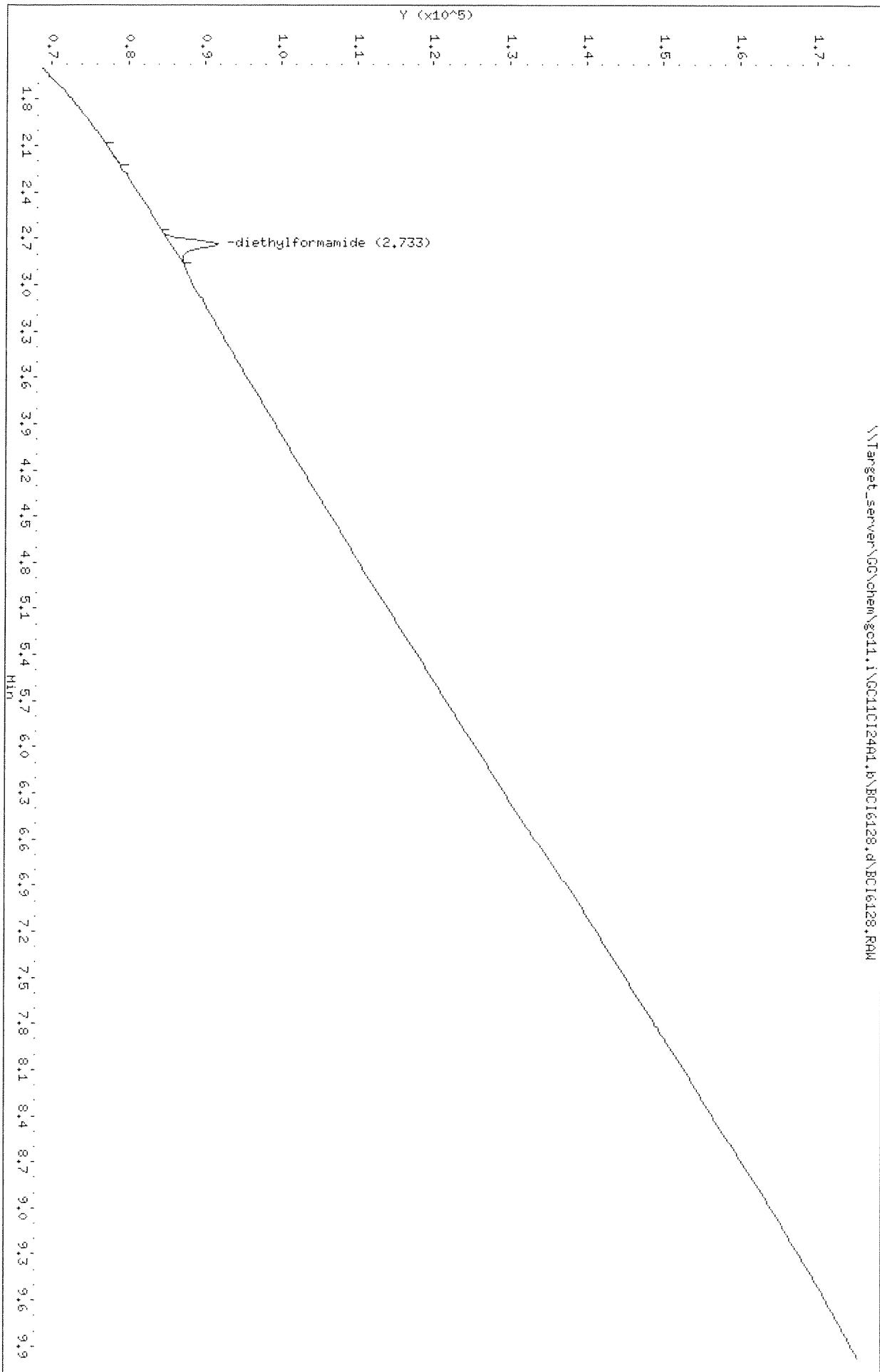
Client ID: DC-SS-455-0.0/1.0-X
Sample Info: DHFB039A.M,GC11C12401.B,1,SC5606-16

Purge Volume: 0.0

Column phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C12401.b\EC16128.d\EC16128.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/18/09
Received Date: 09/19/09
Extraction Date: 09/22/09
Analysis Date: 24-SEP-2009 17:50
Report Date: 10/08/2009
Matrix: SOIL
% Solids: 82.7

Lab ID: SC5606-17
Client ID: OC-SS-456-0.0/1.0-X
SDG: WIL-8
Extracted by: JLP
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 8033M
Lab Prep Batch: WG68961
Units: mg/Kgdrwt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.80	1.0	0.80	0.80	0.80
	diethylformamide		87%				

Page 01 of 01 BCI6129.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6129.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6129.d
Lab Smp Id: SC5606-17 Client Smp ID: OC-SS-456-0.0/1.0-X
Inj Date : 24-SEP-2009 17:50
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-17
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00120	Sample Weight
M	17.254	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)	
	=====	=====	=====	=====	=====	=====	
\$ 2 diethylformamide	2.733	2.733	0.000	24873	0.43624	17.6 (M)	M5

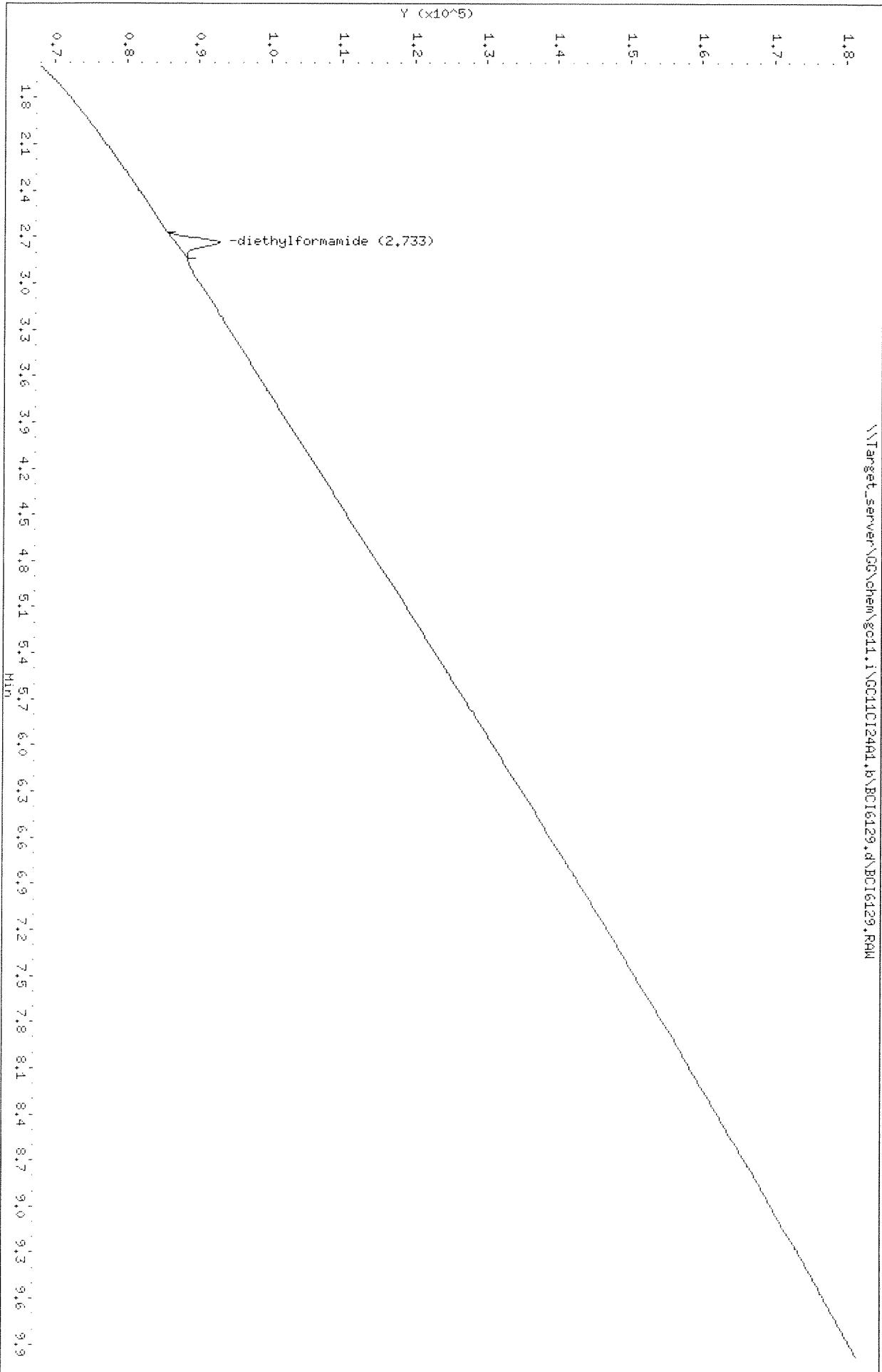
QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16129.d
Date : 24-SEP-2009 17:50
Client ID: OC-SS-456-0,0/1.0-X
Sample Info: DMFB039A.M,GC11C124A1.E,1,SC5606-17
Purge Volume: 0.0
Column Phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16129.d\\BC16129.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation Lab ID: SC5606-18
Project: Wilmington Client ID: OC-SS-457-0.0/1.0-X
PO No: SDG: WIL-8
Sample Date: 09/17/09 Extracted by: JLP
Received Date: 09/19/09 Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 24-SEP-2009 18:03 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 88.9

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.74	1.0	0.80	0.74	0.74
	diethylformamide		90%				

Page 01 of 01 BCI6130.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6130.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6130.d
Lab Smp Id: SC5606-18 Client Smp ID: OC-SS-457-0.0/1.0-X
Inj Date : 24-SEP-2009 18:03
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-18
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00122	Sample Weight
M	11.099	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS							REVIEW CODE	
	ON-COLUMN			FINAL					
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)			
\$ 2 diethylformamide	2.733	2.733	0.000	25966	0.45132	16.6 (M)	M5	<i>JL 10/08/09</i>	

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BCI6130.d
Date : 24-SEP-2009 18:03
Client ID: 0C-SS-457-0.0/1.0-X

Sample Info: DMFB039A.M,GC11C124A1.B,1,SC5606-18
Purge Volume: 0.0
Column Phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BCI6130.d

Instrument: gc11.i

Operator: JLP
Column diameter: 0.53

1.7-

1.6-

1.5-

1.4-

1.3-

1.2-

1.1-

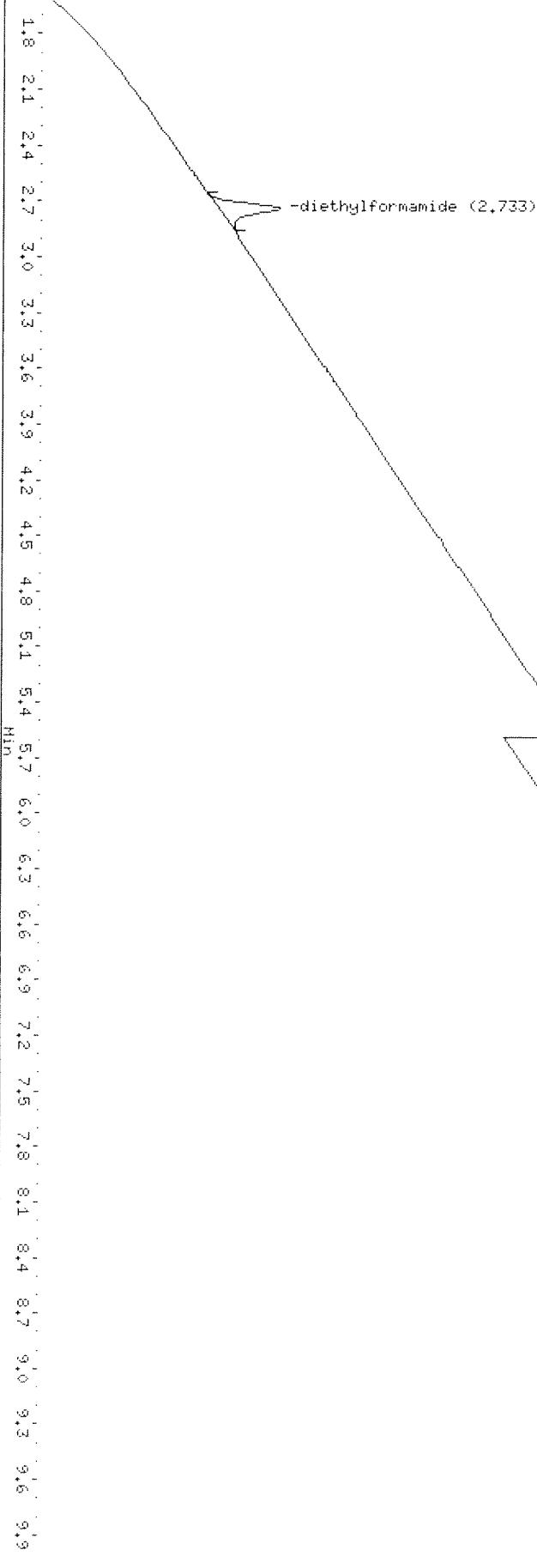
1.0-

0.9-

0.8-

0.7-

0.6-



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation Lab ID: SC5606-19
Project: Wilmington Client ID: OC-SS-459-0.0/1.0-X
PO No: SDG: WIL-8
Sample Date: 09/18/09 Extracted by: JLP
Received Date: 09/19/09 Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 24-SEP-2009 18:18 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 86.9

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.77	1.0	0.80	0.77	0.77
	diethylformamide		76%				

Page 01 of 01 BCI6131.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6131.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6131.d
Lab Smp Id: SC5606-19 Client Smp ID: OC-SS-459-0.0/1.0-X
Inj Date : 24-SEP-2009 18:18
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,SC5606-19
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo) * (100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00119	Sample Weight
M	13.067	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)	
	=====	=====	=====	=====	=====	=====	=====
\$ 2 diethylformamide	2.733	2.733	0.000	20868	0.38097	14.7 (M)	MS

QC Flag Legend

M - Compound response manually integrated.

SUP
100%

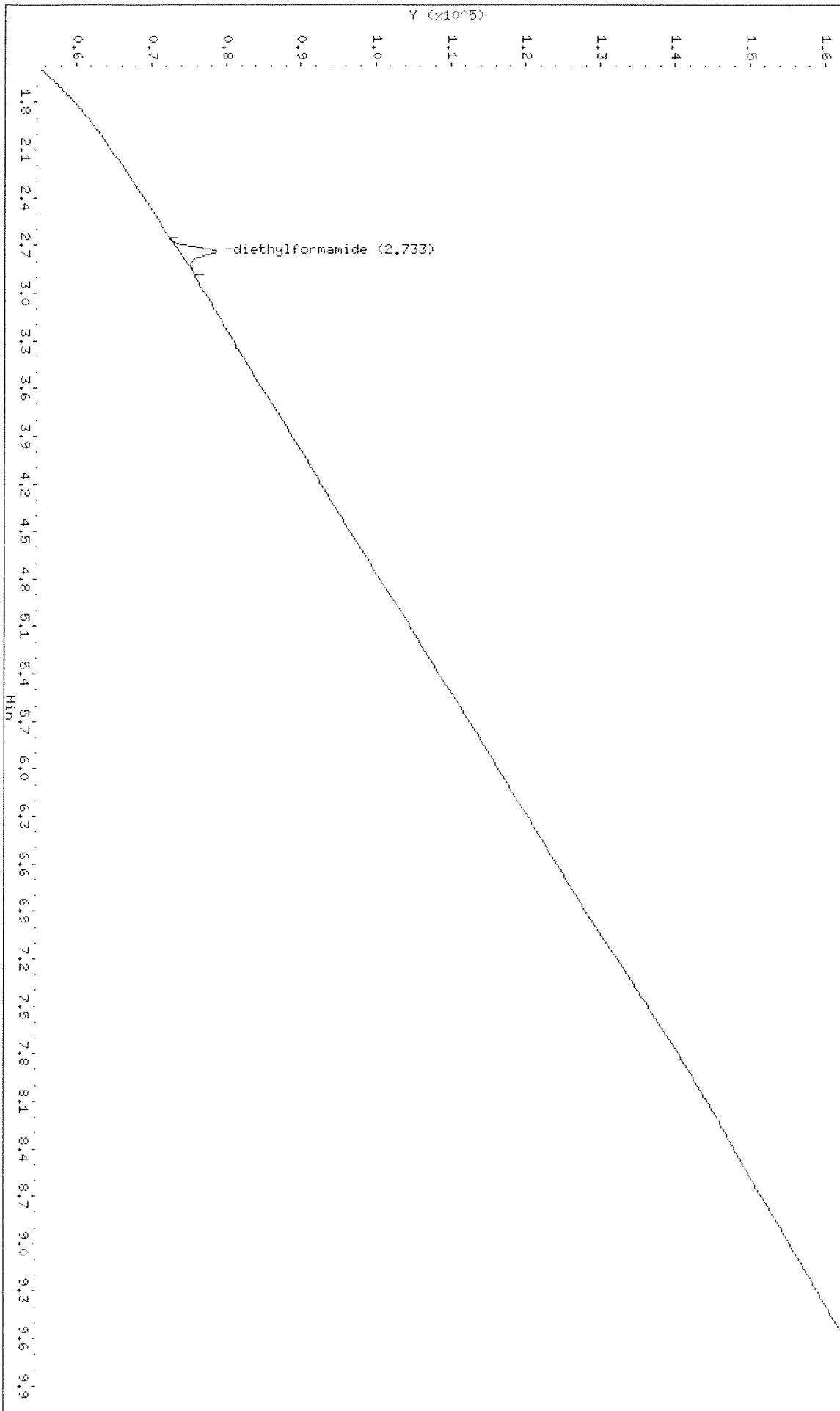
Data File: \\Target_server\GG\chem\gc11.i\SC11C124a1.b\BC16131.d
Date : 24-SEP-2009 18:18

Client ID: 00-SS-4559-0.0/1.0-X
Sample Info: DNFBO39A.H,GC11C124a1.B,1,SC5606-19
Purge Volume: 0.0

Column Phase: ZB-WAX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\SC11C124a1.b\BC16131.d\BC16131.RAW



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation Lab ID: SC5606-20
Project: Wilmington Client ID: OC-SS-460-0.0/1.0-X
PO No: SDG: WIL-8
Sample Date: 09/16/09 Extracted by: JLP
Received Date: 09/19/09 Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 24-SEP-2009 18:32 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 83.2

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.77	1.0	0.80	0.77	0.77
	diethylformamide		73%				

Page 01 of 01 BCI6132.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6132.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6132.d
Lab Smp Id: SC5606-20 Client Smp ID: OC-SS-460-0.0/1.0-X
Inj Date : 24-SEP-2009 18:32
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M, GC11CI24A1.B, 1, SC5606-20
Misc Info : SW846 8033M
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00124	Sample Weight
M	16.741	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (mg/L)	FINAL (mg/Kgdrwt)	
	=====	=====	=====	=====	=====	=====	=====
\$ 2 diethylformamide	2.733	2.733	0.000	19588	0.36330	14.1 (M)	M5

QC Flag Legend

M - Compound response manually integrated.

JLP
100809

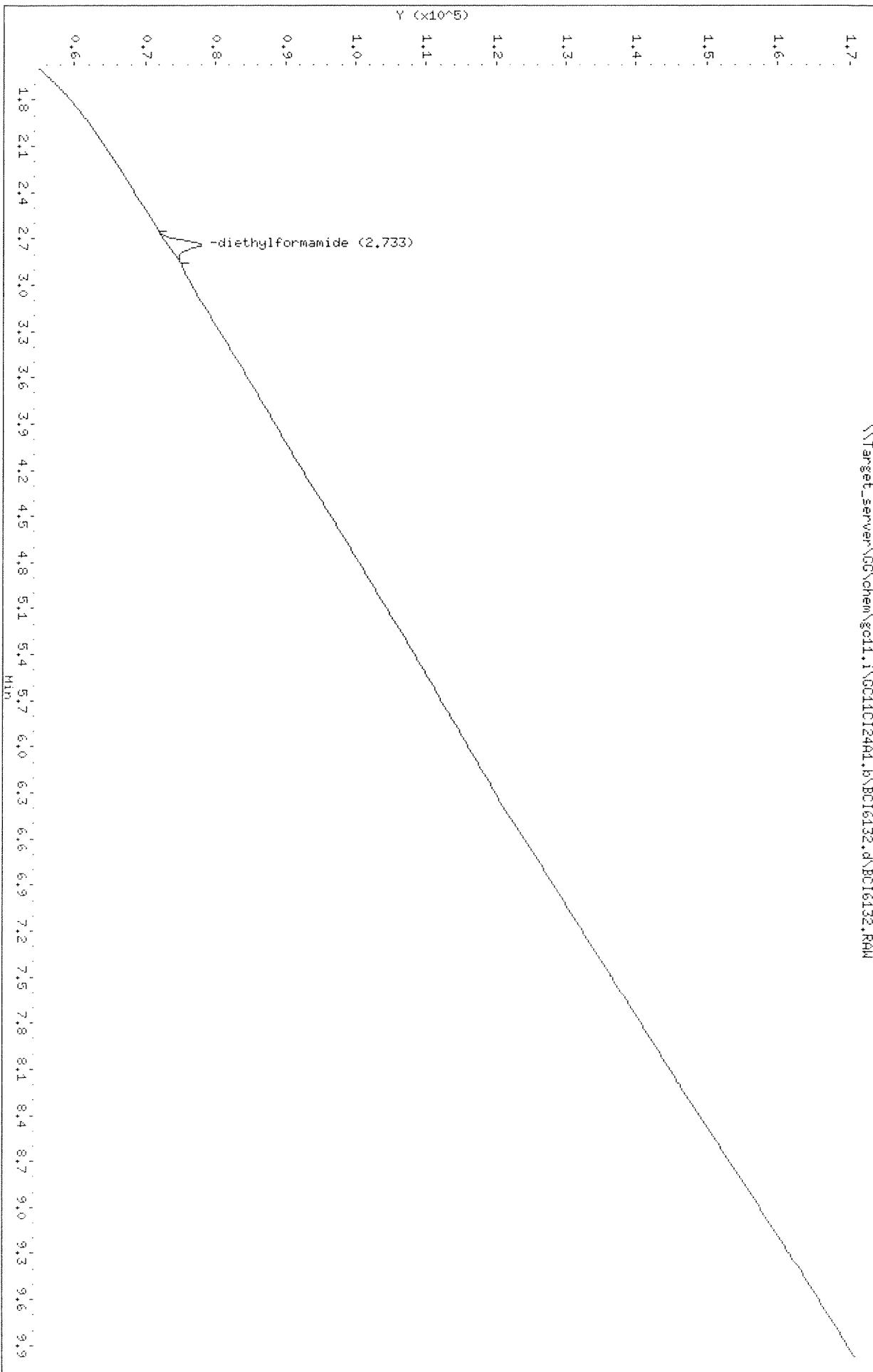
Data File: \\Target_server\GC\chem\gc11.i\GC11C124A1.b\BC16132.d
Date : 24-SEP-2009 18:32

Client ID: 00-SS-460-0-01-0-X
Sample Info: DRFB023A.M,GC11C124A1.B.1.,SC5606-20

Purge Volume: 0.0
Column Phase: ZB-MeX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GC\chem\gc11.i\GC11C124A1.b\BC16132.d\BC16132.RAW



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Olin Corporation
Project: Wilmington
PO No:
Sample Date: 09/16/09
Received Date: 09/19/09
Extraction Date:
Analysis Date: 23-SEP-2009 10:46
Report Date: 10/08/2009
Matrix: WATER
% Solids: NA

Lab ID: SC5606-21
Client ID: OC-EBK-011
SDG: WIL-8
Extracted by:
Extraction Method: 8033M
Analyst: JLP
Analysis Method: SW846 M8033
Lab Prep Batch: WG68988
Units: mg/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.020	1.0	0.020	0.020	0.0048
	diethylformamide		92%				

Page 01 of 01 BCI6070.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6070.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6070.d
Lab Smp Id: SC5606-21 Client Smp ID: OC-EBK-011
Inj Date : 23-SEP-2009 10:46
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M,GC11CI23A1.B,1,SC5606-21
Misc Info : SW846 M8033
Comment :
Method : \\\TARGET SERVER\GG\chem\gc11.i\GC11CI23A1.B\DMFB038A.m
Meth Date : 23-Sep-2009 14:39 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

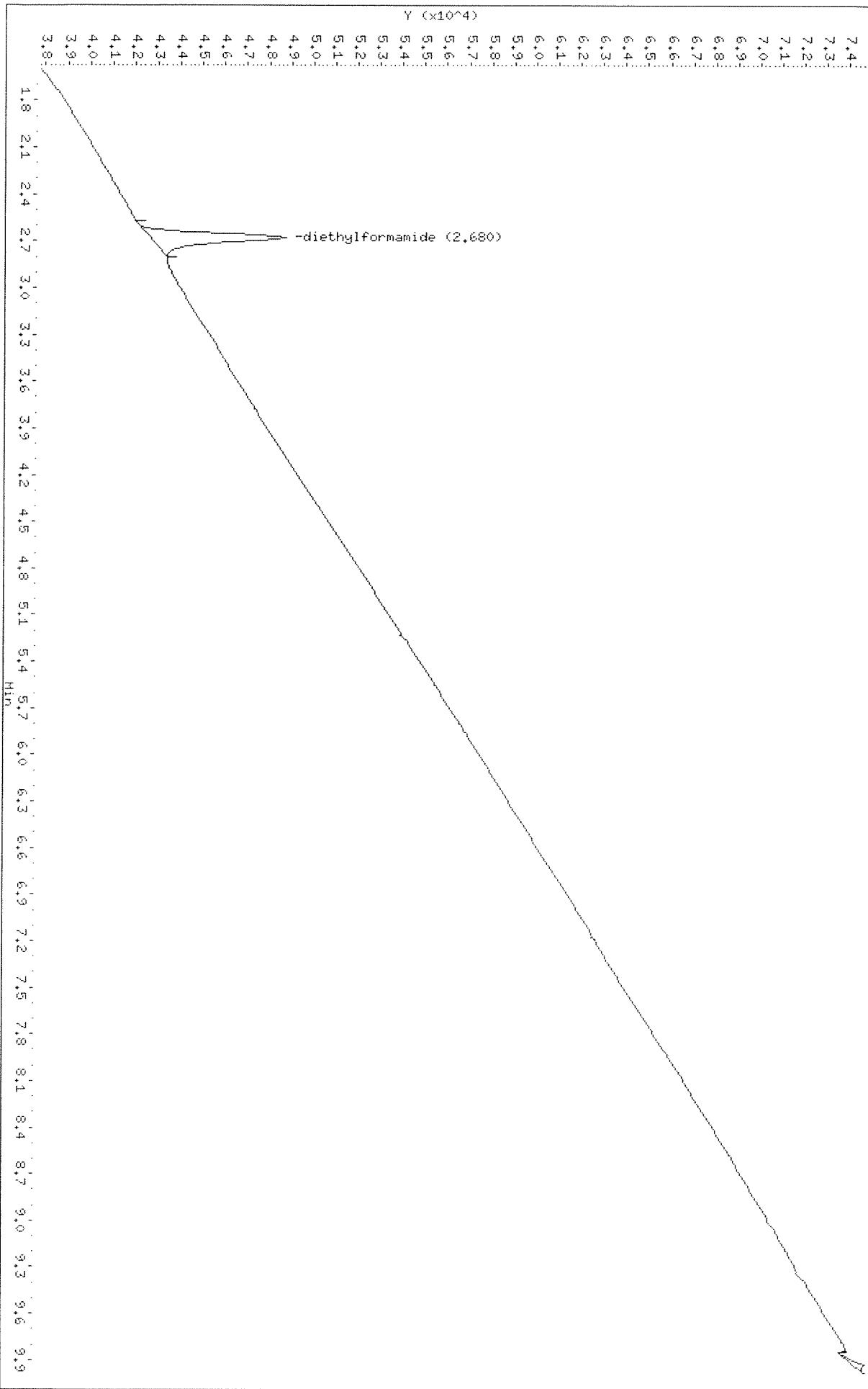
Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	FINAL	
	=====	=====	=====	=====	=====	=====	=====
\$ 2 diethylformamide	2.680	2.680	0.000	24944	0.46113	0.461	

Data File: \Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16070.d
Date : 23-SEP-2009 10:46
Client ID: OC-EBK-014
Sample Info.: DMFBO38A.M,GC11C123A1.B,1,SC5606-21
Purge Volume: 0.0
Column Phase: ZB-WAX

\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16070.d\BC16070.d
Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16070.d\BC16070.RAW



Standards Data Section

FORM 6
DMF INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project WILMINGTON

SDG No.: WIL-8

Instrument ID: GC11 Calibration Date(s): 09/15/09 09/15/09

Column: ZB-WAX ID: 0.53 (mm) Calibration Time(s): 0936 1143

LAB FILE ID: RF0.02: BCI4073 RF0.05: BCI4074 RF0.1: BCI4075
RF0.25: BCI4077 RF0.5: BCI4079 RF1: BCI4082

COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	COEFFICIENTS		%RSD	MAX %RSD
								A0	A1		
dimethylformamide	921	1500	3764	12201	24415	55088	LINR	2.106e-002	1.811e-005	0.99669	0.99000
diethylformamide	13241	25644	58420	154630	276360		LINR	9.989e-002	1.448e-005	0.99576	0.99000

FORM VI DMF

Data File: \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4073.d
Report Date: 16-Sep-2009 12:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4073.d
Lab Smp Id: ICAL 0.02
Inj Date : 15-SEP-2009 09:36
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M, GC11CI15A1.B, 1, ICAL 0.02
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\dmfB038A.m
Meth Date : 16-Sep-2009 07:25 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 09:36 Cal File: BCI4073.RAW
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

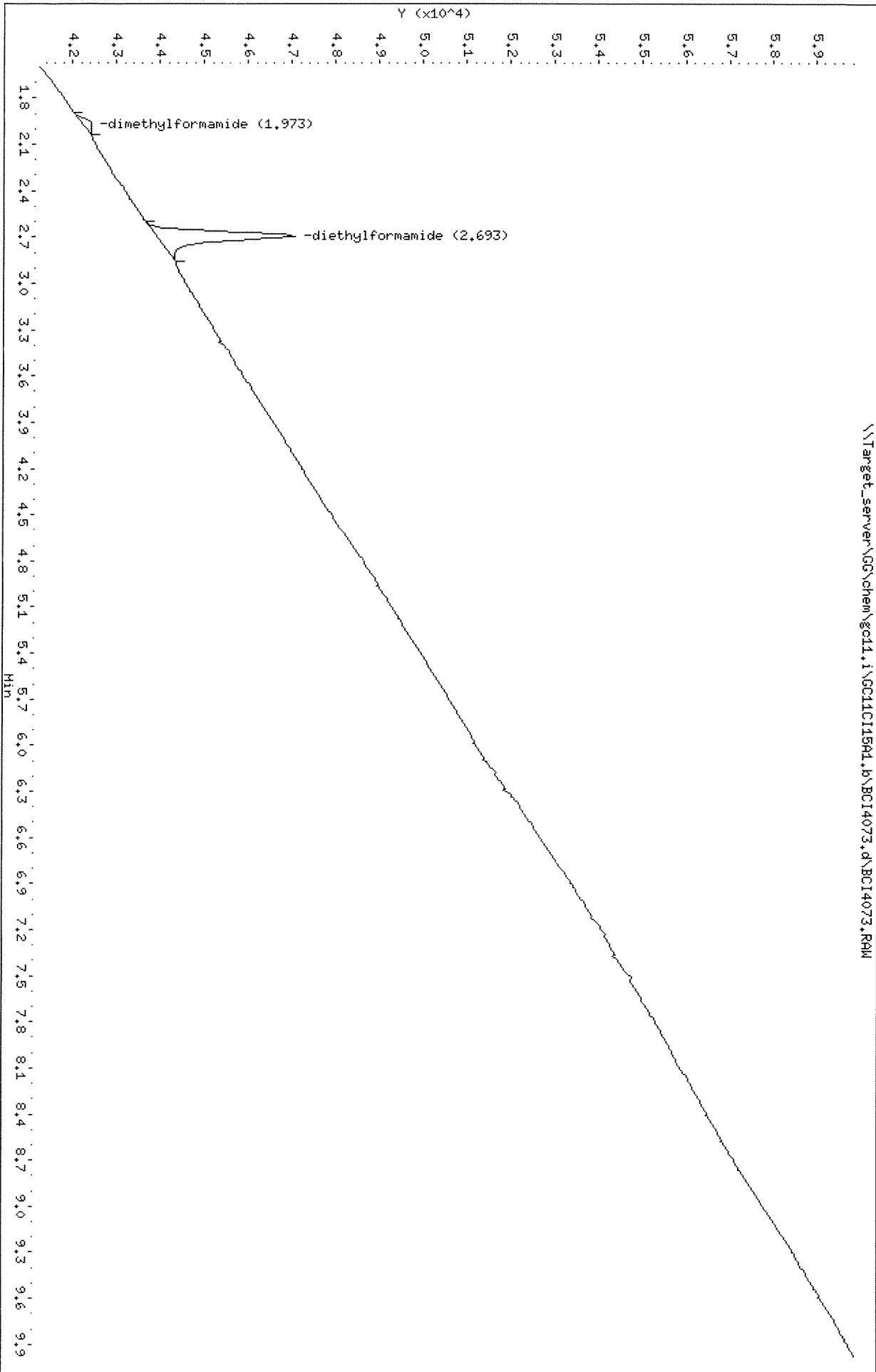
Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	
	(mg/L)	(mg/L)					
1 dimethylformamide	1.973	1.960	0.013	921	0.02000	0.0377 (M)	M5
\$ 2 diethylformamide	2.693	2.680	0.013	13241	0.25000	0.292 (M)	JLP 09/16/09

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc11.i\GC11C115A1.b\BCI4073.d
Date : 15-SEP-2009 09:36
Client ID:
Sample Info.: DNFB038A.M,GC11C115A1.B,1,ICAL 0.02
Purge Volume: 0.0
Column phase: ZB-WAX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53
\\Target_server\GC\chem\gc11.i\GC11C115A1.b\BCI4073.d\BCI4073.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4074.d
Report Date: 16-Sep-2009 12:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4074.d
Lab Smp Id: ICAL 0.05
Inj Date : 15-SEP-2009 09:50
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M,GC11CI15A1.B,1,ICAL 0.05
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\dmfb038A.m
Meth Date : 16-Sep-2009 07:25 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 09:50 Cal File: BCI4074.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS		REVIEW CODE
					CAL-AMT	ON-COL	
					(mg/L)	(mg/L)	
1 dimethylformamide	1.973	1.960	0.013	1500	0.05000	0.0482(M)	M5
\$ 2 diethylformamide	2.693	2.680	0.013	25644	0.50000	0.471(M)	

QC Flag Legend

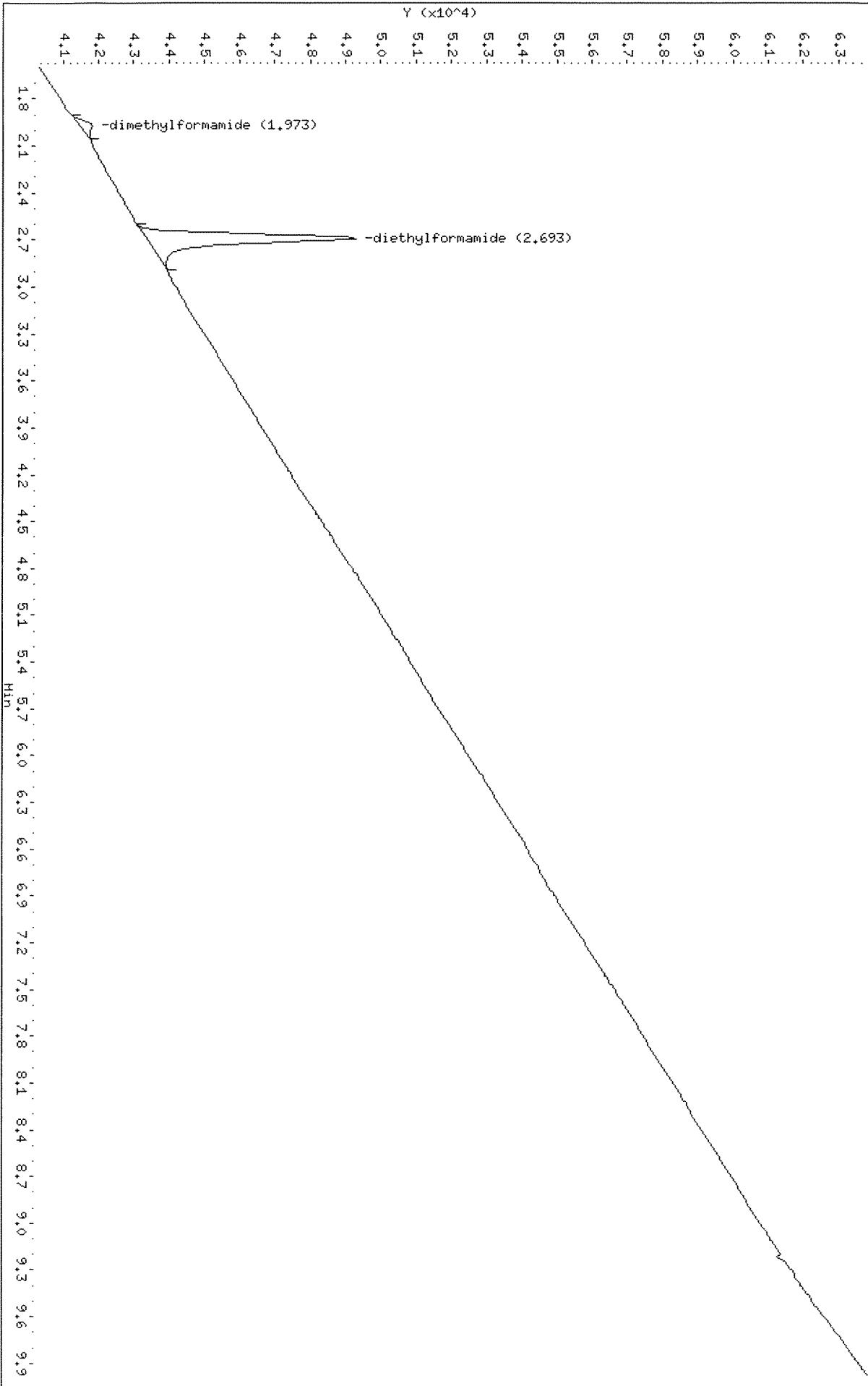
M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc11.i\GC11C15A1.b\BC14074.d
Date : 15-SEP-2009 09:50
Client ID:
Sample Info.: DMFB038A.M,GC11C15A1.B.I,ICAL 0.05

Purge Volume: 0.0
Column Phase: ZB-MQK

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GC\chem\gc11.i\GC11C15A1.b\BC14074.d\BC14074.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4075.d
Report Date: 16-Sep-2009 12:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4075.d
Lab Smp Id: ICAL 0.1
Inj Date : 15-SEP-2009 10:04
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M,GC11CI15A1.B,1,ICAL 0.1
Misc Info :
Comment :
Method : \\\TARGET_SERVER\GG\chem\gc11.i\GC11CI15A1.B\DMFB038A.m
Meth Date : 16-Sep-2009 07:25 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 10:04 Cal File: BCI4075.d
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (mg/L)	ON-COL (mg/L)	
	=====	=====	=====	=====	=====	=====	=====
1 dimethylformamide	1.973	1.960	0.013	3764	0.10000	0.102 (M)	MS
\$ 2 diethylformamide	2.693	2.680	0.013	58420	1.00000	1.02 (M)	<i>JLP 09/16/09</i>

QC Flag Legend

M - Compound response manually integrated.

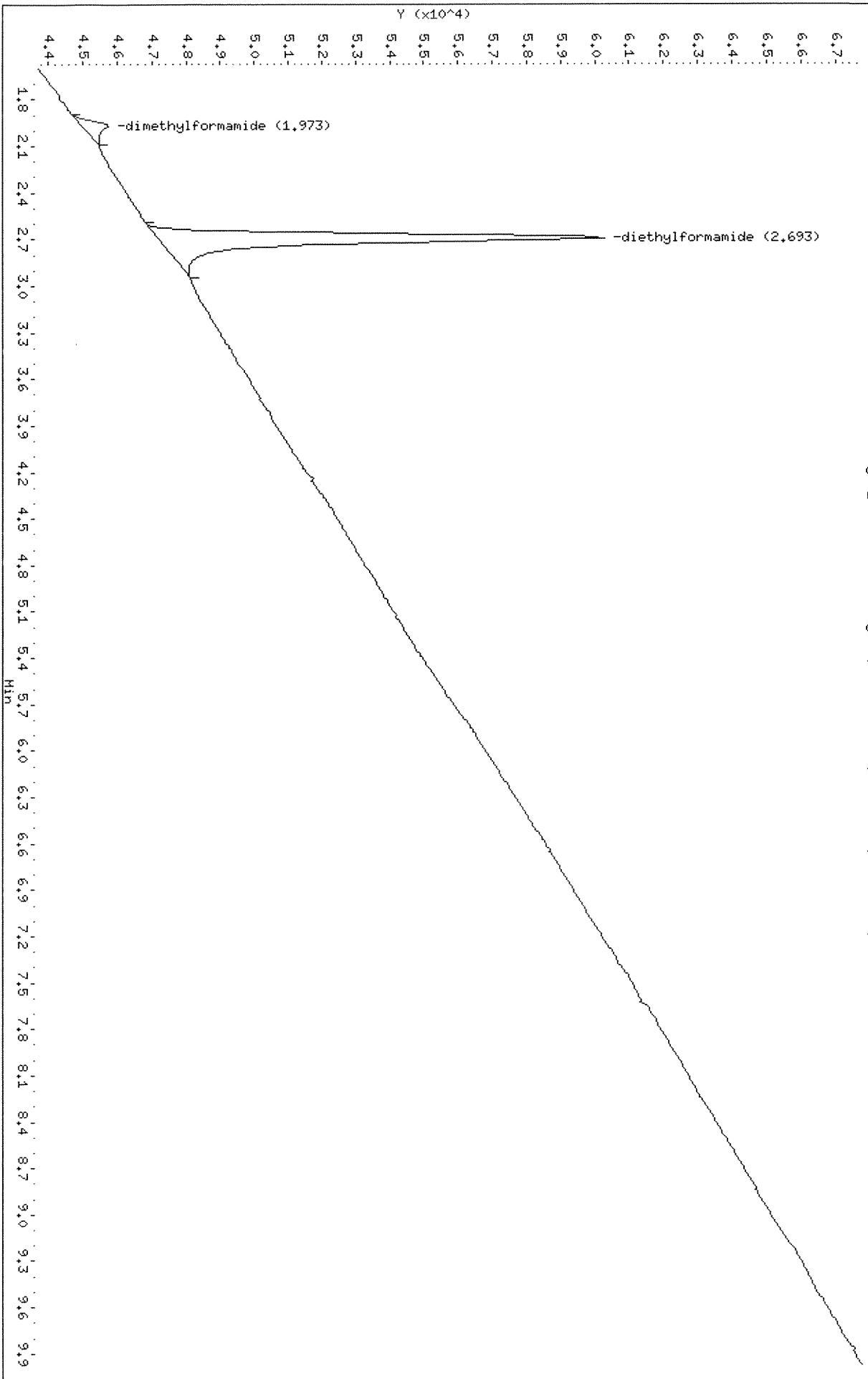
Data File: \\Target_server\GC\chem\gc11.i\GC11C15A1.b\BC14075.d
Date : 15-SEP-2009 10:04

Client ID:
Sample Info.: DMFB0238A.M,GC11C15A1.B,1,ICAL 0.1

Purge Volume: 0.0
Column Phase: ZB-NPAK

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GC\chem\gc11.i\GC11C15A1.b\BC14075.d\BC14075.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4077.d
Report Date: 16-Sep-2009 12:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4077.d
Lab Smp Id: ICAL 0.25
Inj Date : 15-SEP-2009 10:32
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M,GC11CI15A1.B,1,ICAL 0.25
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\dmfb038A.m
Meth Date : 16-Sep-2009 07:25 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 10:32 Cal File: BCI4077.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	
	(mg/L)	(mg/L)					
1 dimethylformamide	1.960	1.960	0.000	12201	0.25000	0.255 (M)	=====
2 diethylformamide	2.680	2.680	0.000	154631	2.50000	2.34 (M)	M5

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc11.i\GC11C15A1.b\BC14077.d
Date : 15-SEP-2009 10:32

Client ID:

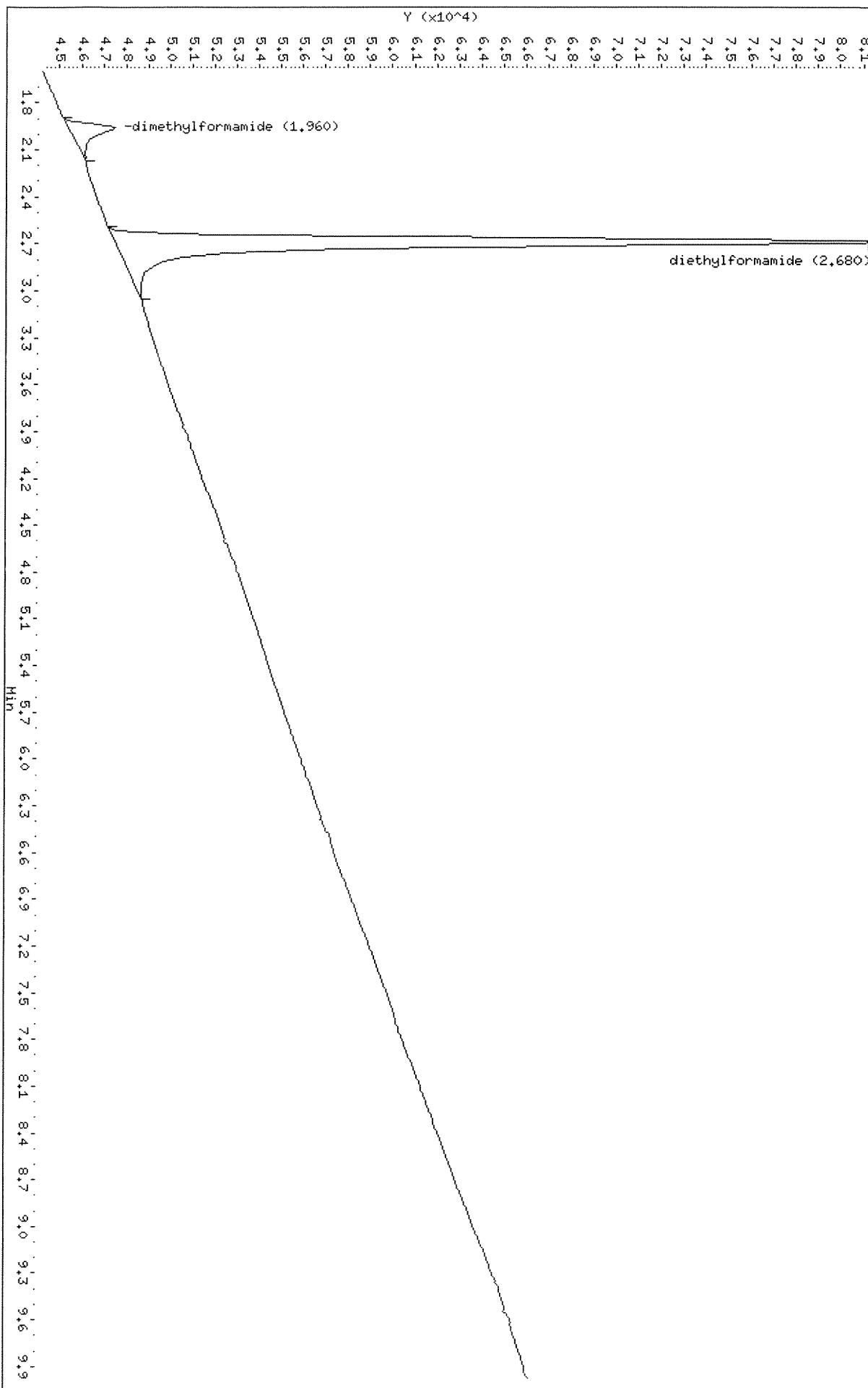
Sample Info.: DHFB0380.M,GC11C15A1.B,1,ICAL 0.25

Purge Volume: 0.0

Column phase: ZB-WAX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GC\chem\gc11.i\GC11C15A1.b\BC14077.d\BC14077.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4079.d
Report Date: 16-Sep-2009 12:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4079.d
Lab Smp Id: ICAL 0.5
Inj Date : 15-SEP-2009 11:01
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M, GC11CI15A1.B, 1, ICAL 0.5
Misc Info :
Comment :
Method : \\\TARGET SERVER\GG\chem\gc11.i\GC11CI15A1.B\DMFB038A.m
Meth Date : 16-Sep-2009 07:25 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:01 Cal File: BCI4079.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	0.00100	Sample Volume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	
					(mg/L)	(mg/L)	
1 dimethylformamide	1.960	1.960	0.000	24415	0.50000	0.500 (M)	MS
\$ 2 diethylformamide	2.693	2.680	0.013	276361	4.00000	4.10 (AM)	JL 09/09

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc11.i\GC11C115A1.b\BC14079.d
Date : 15-SEP-2009 11:01

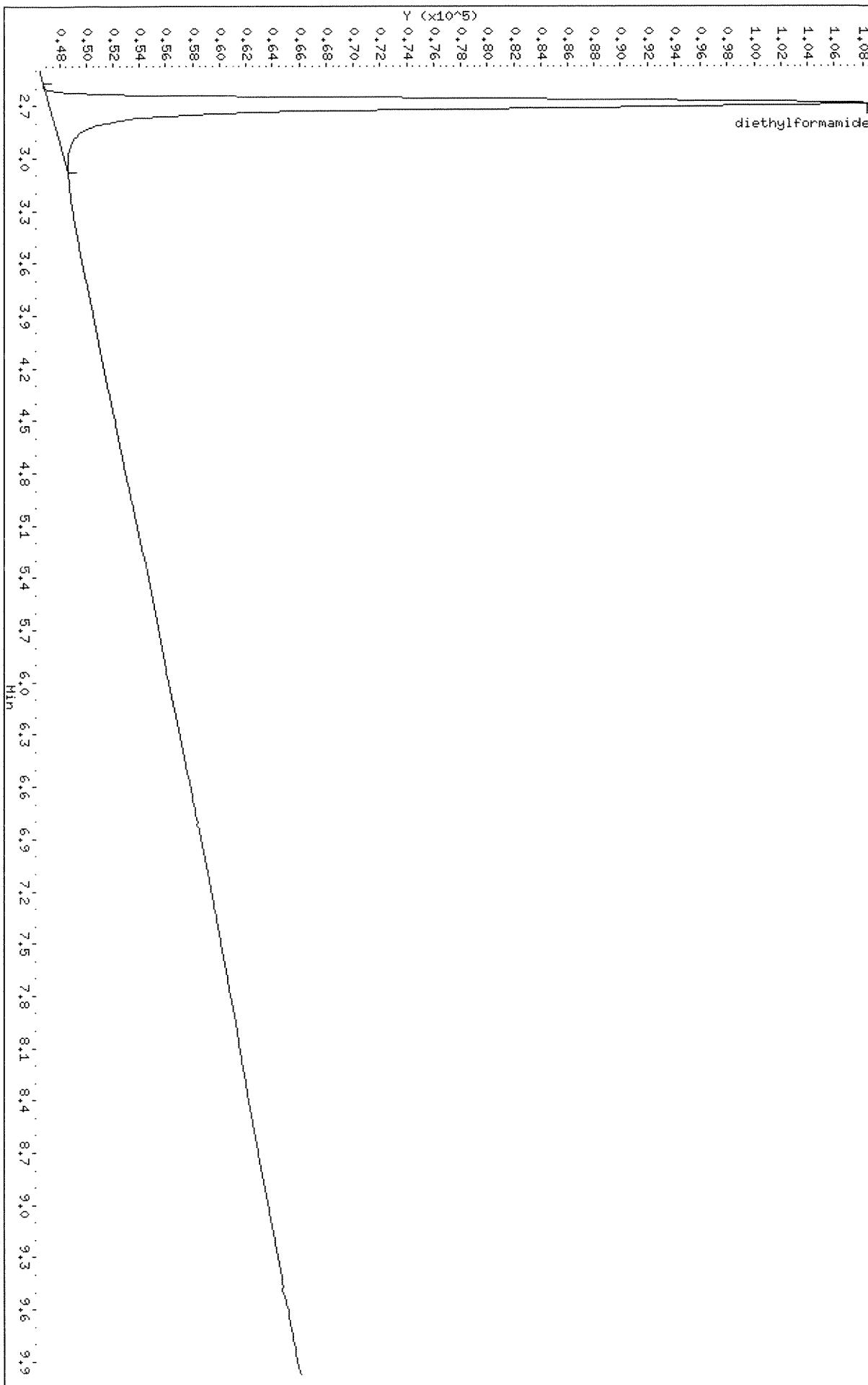
Client ID:
Sample Info: D:\FB038A.M,GC11C115A1.B,1,ICAL 0.5
Purge Volume: 0.0
Column phase: ZB-1

Instrument: gc11.i

Operator: JLP

Column diameter: 0.25

\\Target_server\GC\chem\gc11.i\GC11C115A1.b\BC14079.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4082.d
Report Date: 16-Sep-2009 12:27

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI15A1.b\BCI4082.d
Lab Smp Id: ICAL 1.0
Inj Date : 15-SEP-2009 11:43
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M, GC11CI15A1.B, 1, ICAL 1.0
Misc Info :
Comment :
Method : \\\TARGET SERVER\GG\chem\gc11.i\GC11CI15A1.B\DMFB038A.m
Meth Date : 16-Sep-2009 07:25 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (mg/L)	ON-COL (mg/L)	
	=====	=====	=====	=====	=====	=====	=====
1 dimethylformamide	1.960	1.960	0.000	55088	1.00000	1.02 (AM)	M5

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
- JLP 9/16/09*

Data File: \\Target_server\GG\chem\gc11.i\GC11C115A1.b\BC14082.d
Date : 15-SEP-2009 11:43

Client ID:

Sample Info.: DMFB038A.M,GC11C115A1.B,1,ICAL 1.0
Purge Volume: 0.0

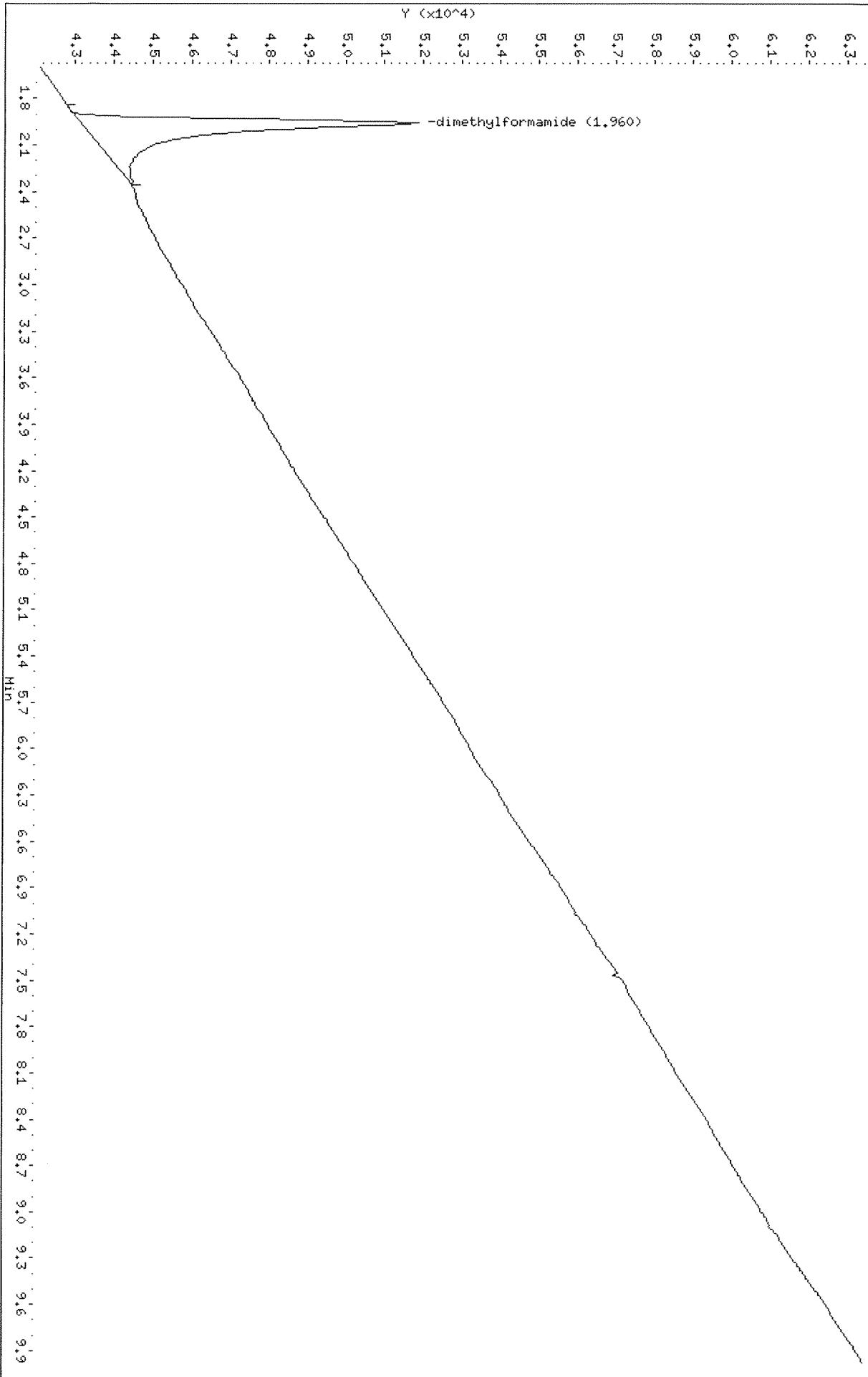
Column Phase: ZB-WAX

Instrument: gc11.i

Operator: JLP

Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\GC11C115A1.b\BC14082.s\BC14082.RAW



FORM 6
DMF INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project WILMINGTON

SDG No.: WIL-8

Instrument ID: GC11 Calibration Date(s): 09/24/09 09/24/09

Column: ZB-WAX ID: 0.53 (mm) Calibration Time(s): 0916 1255

LAB FILE ID: RF0.02: BCI6096 RF0.05: BCI6093 RF0.1: BCI6094
RF0.25: BCI6106 RF0.5: BCI6108 RF1: BCI6102

COMPOUND	RF0.02	RF0.05	RF0.1	RF0.25	RF0.5	RF1	CURVE	COEFFICIENTS		%RSD	MAX %RSD
								A0	A1		
dimethylformamide	607	1455	3159	11128	24973	52409	LINR	2.151e-002	1.884e-005	0.99800	0.99000
diethylformamide	18124	26583	56762	166800	289060		LINR	9.296e-002	1.38e-005	0.99574	0.99000

FORM VI DMF

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6093.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6093.d
Lab Smp Id: ICAL 0.05
Inj Date : 24-SEP-2009 09:16
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,ICAL 0.05
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\DMFB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 09:16 Cal File: BCI6093.d
Als bottle: 1 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	
	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	
\$ 2 diethylformamide	2.733	2.733	0.000	26583	0.50000	0.466 (M)	MZ JLP 100809

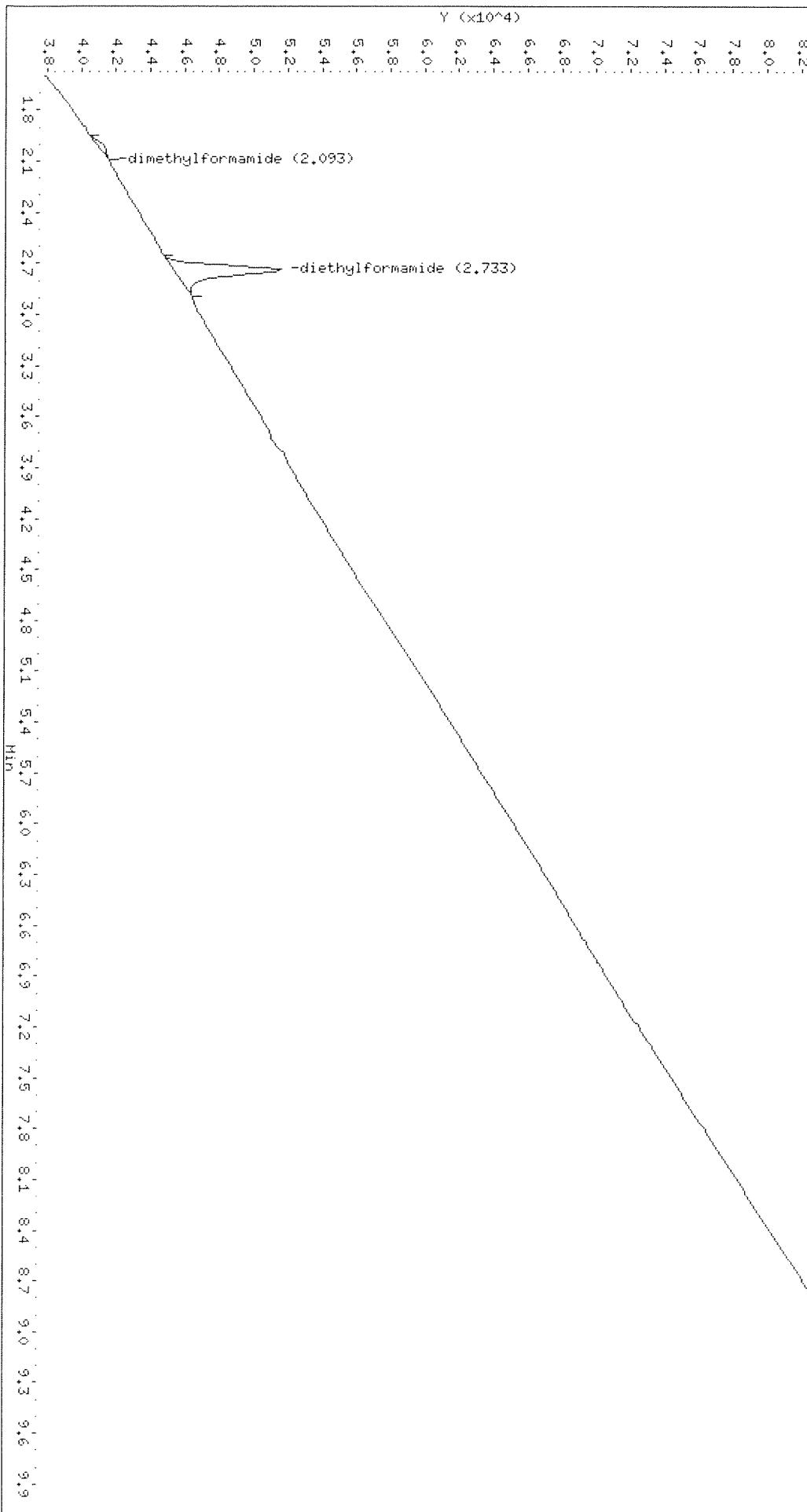
QC Flag Legend

M - Compound response manually integrated.

Data File: \Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16093.d
Date : 24-SEP-2009 09:16
Client ID:
Sample Info: DHFB039A.M,GC11C124A1.B,1,ICAL 0.05
Purge Volume: 0.0
Column Phase: ZB-WAX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16093.d\BC16093.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6094.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6094.d
Lab Smp Id: ICAL 0.1
Inj Date : 24-SEP-2009 09:31
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,ICAL 0.1
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\DMFB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 09:31 Cal File: BCI6094.RAW
Als bottle: 1 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (mg/L)	ON-COL (mg/L)	
	=====	=====	=====	=====	=====	=====	=====
1 dimethylformamide	2.013	2.013	0.000	3159	0.10000	0.0523 (M)	M5
\$ 2 diethylformamide	2.733	2.733	0.000	56762	1.00000	0.954 (M)	

QC Flag Legend

M - Compound response manually integrated.

JLP
100809

Client ID:

Sample Info: DMFB030A.M,GC11C124A1.B,1,ICAL 0.1

Purge Volume: 0.0

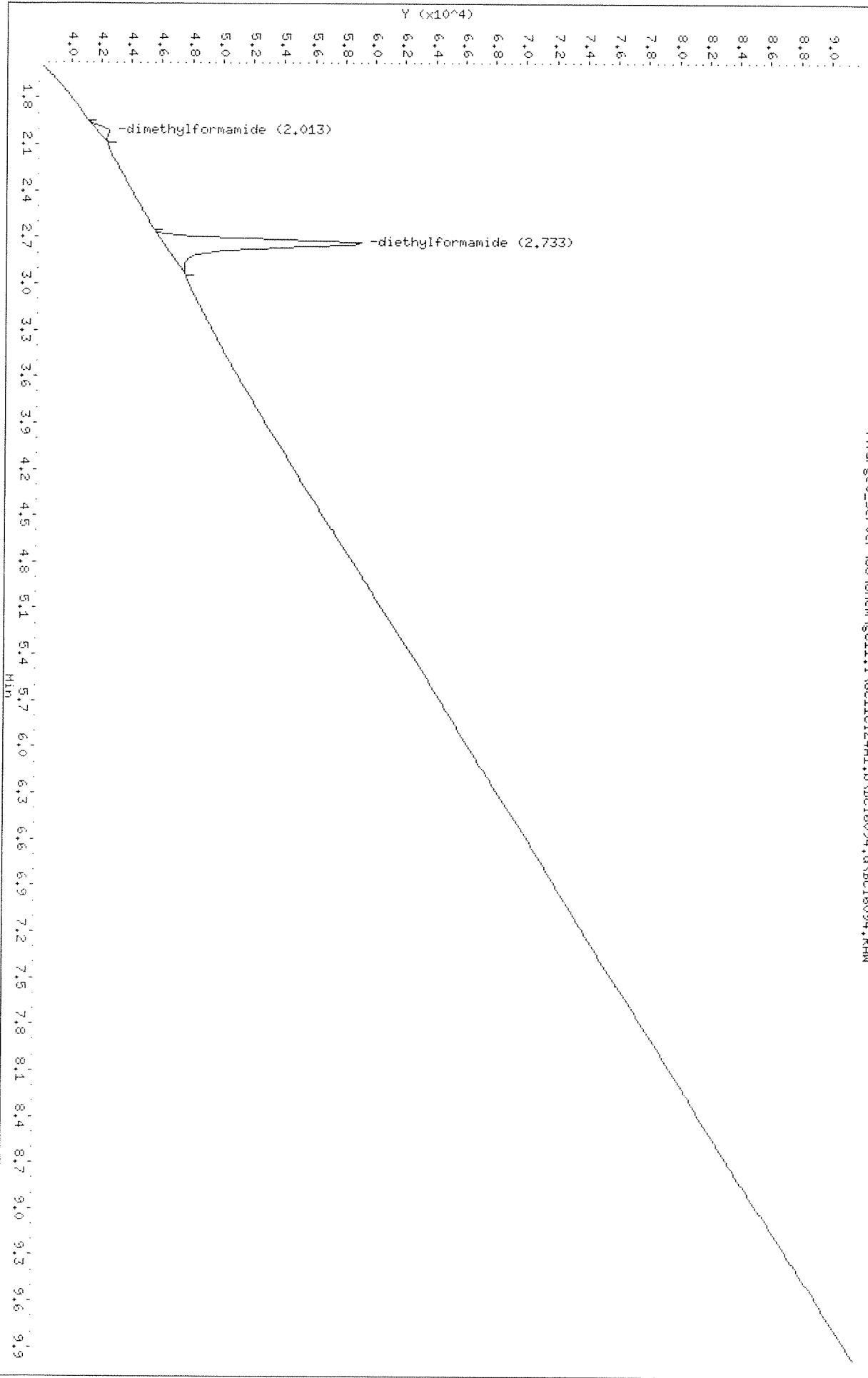
Column Phase: ZB-WAX

Instrument: gc11.i

Operator: JLP

Column diameter: 0.53

\\Target_server\GC\chem\gc11.i\GC11C124A1.b\BCI6094.d\BCI6094.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6096.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6096.d
Lab Smp Id: ICAL 0.02
Inj Date : 24-SEP-2009 10:03
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M, GC11CI24A1.B, 1, ICAL 0.02
Misc Info :
Comment :
Method : \\\TARGET_SERVER\GG\chem\gc11.i\GC11CI24A1.B\DMFB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 10:03 Cal File: BCI6096.d
Als bottle: 1 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	
					(mg/L)	(mg/L)	
1 dimethylformamide	2.040	2.013	0.027	807	0.02000	0.0478(M)	MS
\$ 2 diethylformamide	2.733	2.733	0.000	18124	0.25000	0.312(M)	JLP 100809

QC Flag Legend

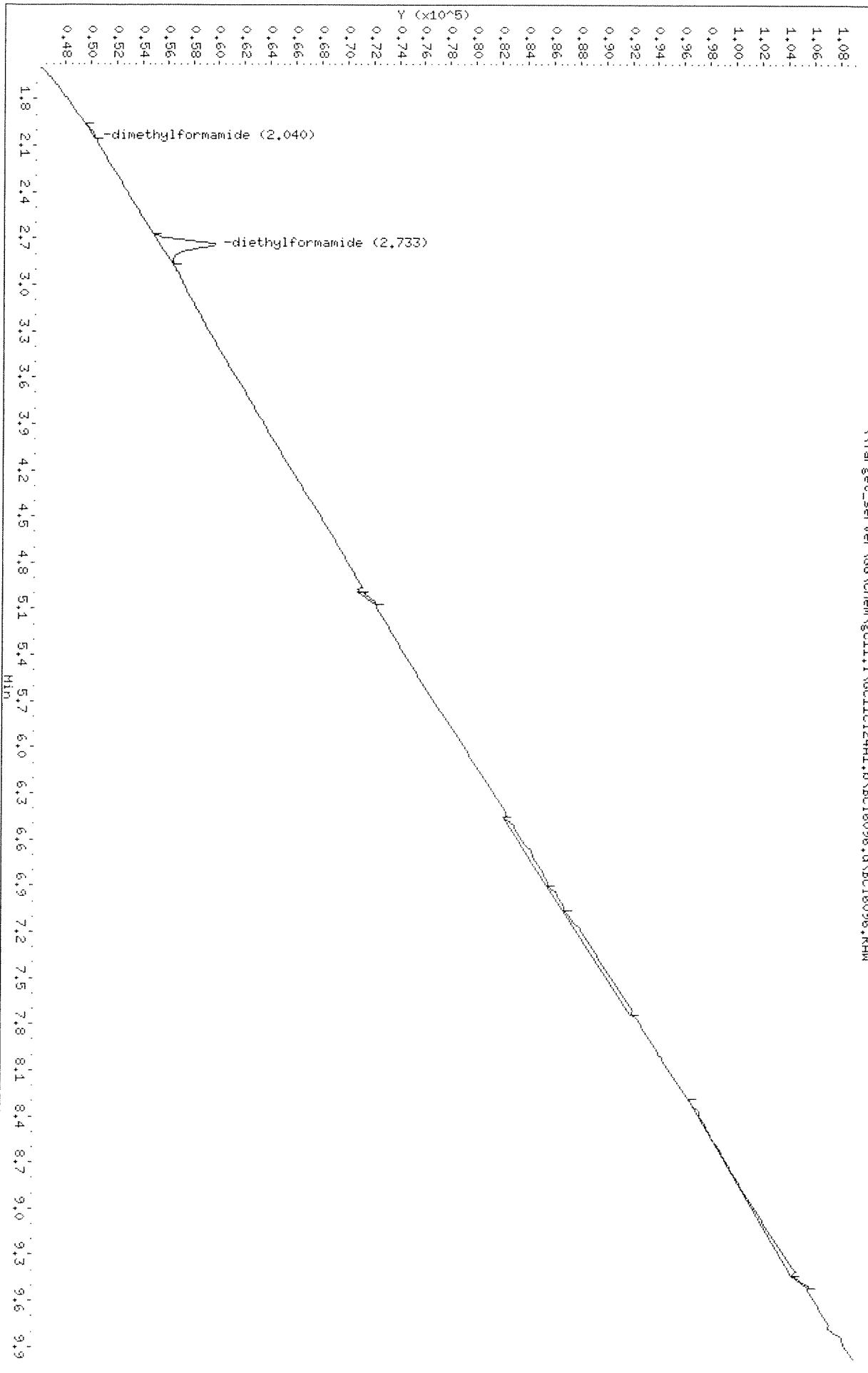
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BCI6096.d
Date : 24-SEP-2009 10:03
Client ID:
Sample Info: DMFB039A.M,GC11C124A1.B,1,ICAL 0.02
Purge Volume: 0.0

Column phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BCI6096.d\BCI6096.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6102.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6102.d
Lab Smp Id: ICAL 1.0
Inj Date : 24-SEP-2009 11:30
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M, GC11CI24A1.B, 1, ICAL 1.0
Misc Info :
Comment :
Method : \\\TARGET_SERVER\GG\chem\gc11.i\GC11CI24A1.B\DMFB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 11:30 Cal File: BCI6102.d
Als bottle: 1 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	
					(mg/L)	(mg/L)	
1 dimethylformamide	2.000	2.013	-0.013	52409	1.00000	1.02 (AM)	MS

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

JLP
10/08/09

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\NC16102.d

Date : 24-SEP-2009 11:30

Client ID:

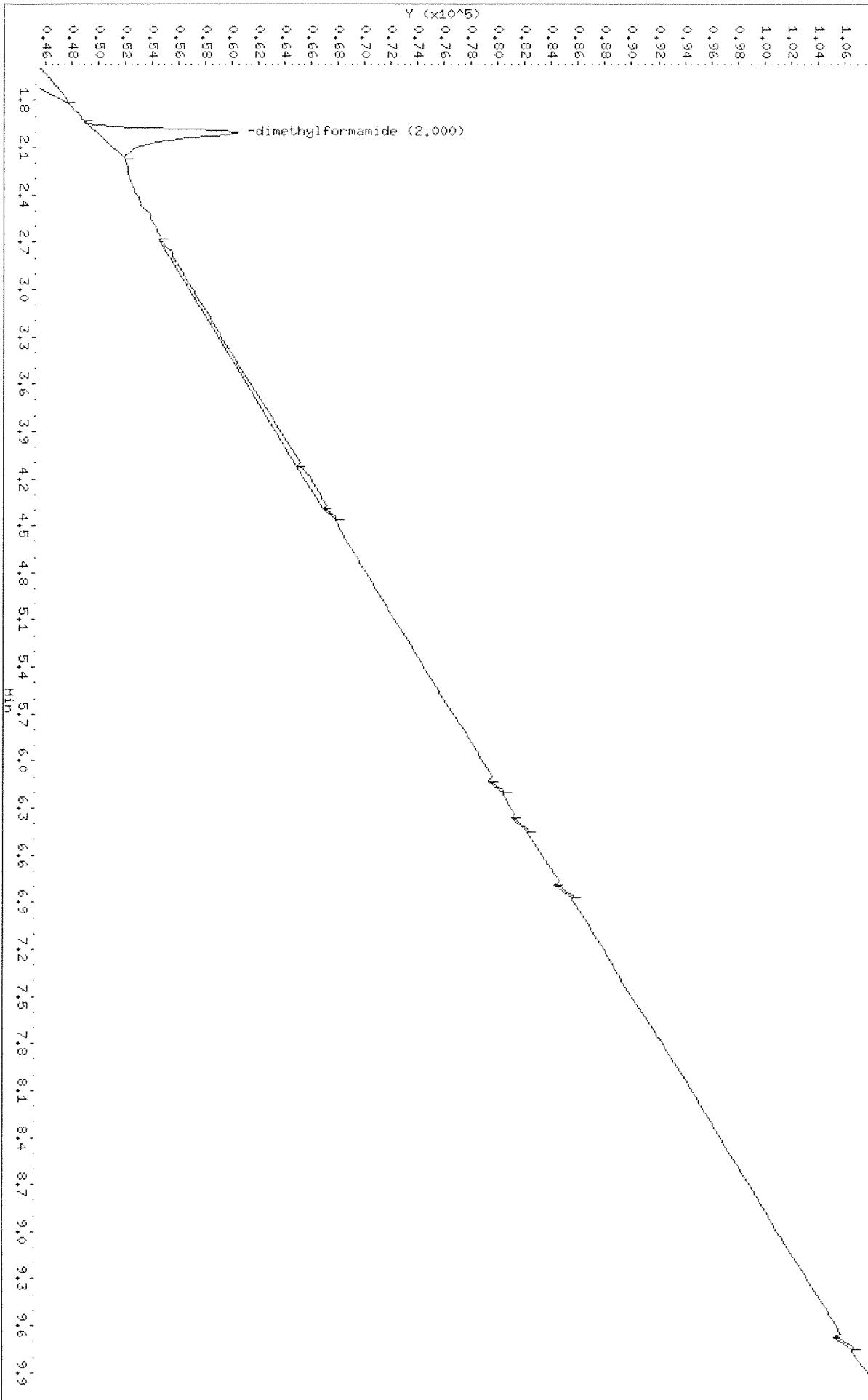
Sample Info: DHFB033A.M,GC11C124A1.B,1,ICAL 1.0

Purge Volume: 0.0

Column phase: ZB-Wax

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\NC16102.d\NC16102.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6106.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6106.d
Lab Smp Id: ICAL 0.25
Inj Date : 24-SEP-2009 12:26
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M, GC11CI24A1.B, 1, ICAL 0.25
Misc Info :
Comment :
Method : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\dmfb039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 11:30 Cal File: BCI6102.d
Als bottle: 1 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT	RT	RESPONSE	CAL-AMT	
						(mg/L)	
1 dimethylformamide	2.013	2.013	0.000		11128	0.25000	0.238 (M)
\$ 2 diethylformamide	2.733	2.733	0.000		166804	2.50000	2.69 (M)

QC Flag Legend

M - Compound response manually integrated.

JLP
100809

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BCI6106.d
Date : 24-SEP-2009 12:26

Client ID:

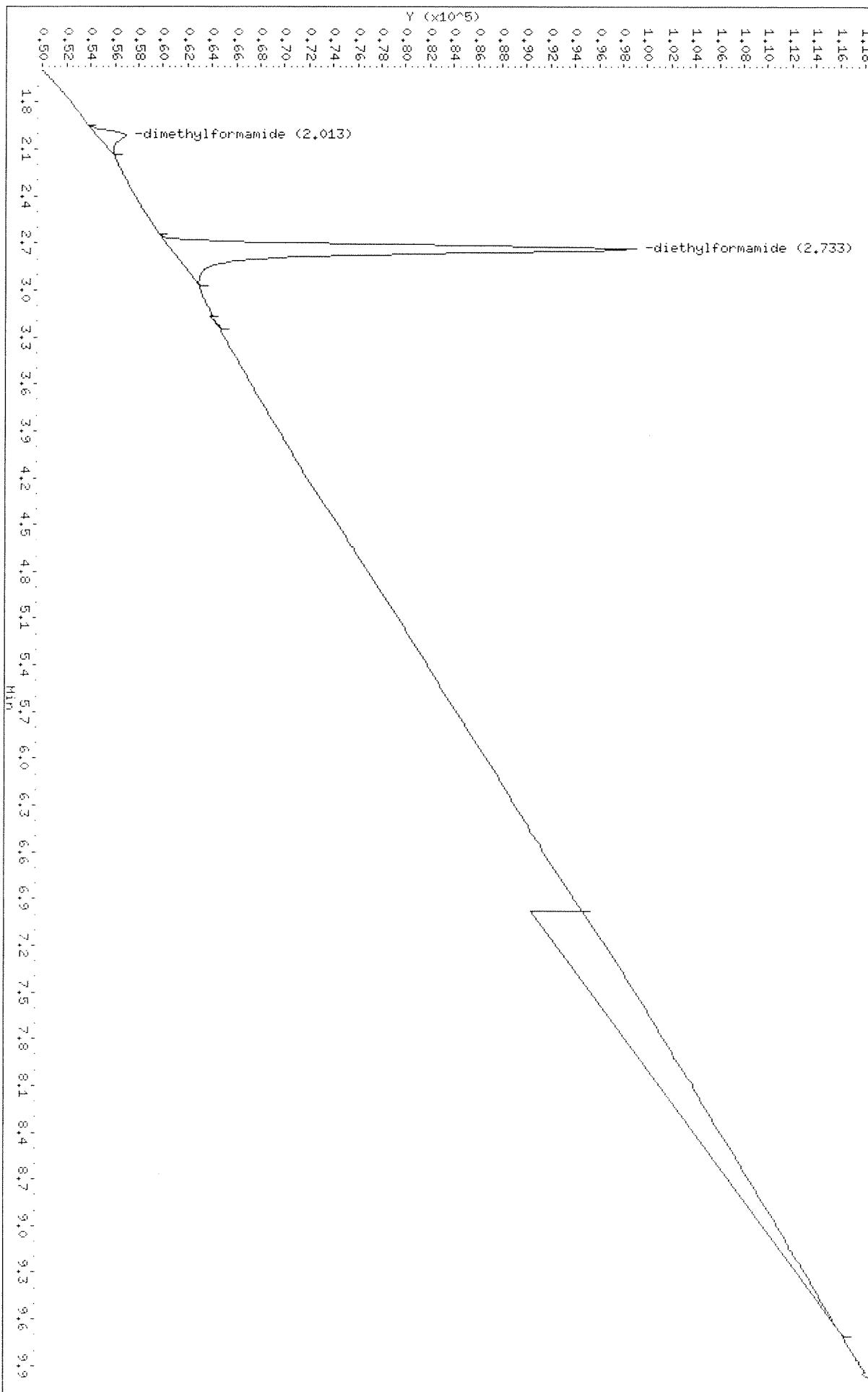
Sample Info: DMFB039A.M,GC11C124A1.B,1,ICAL 0.25

Purge Volume: 0.0

Column phase: ZB-WAX

Instrument: zcd11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BCI6106.d\BCI6106.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6108.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6108.d
Lab Smp Id: ICAL 0.5
Inj Date : 24-SEP-2009 12:55
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M, GC11CI24A1.B, 1, ICAL 0.5
Misc Info :
Comment :
Method : \\TARGET_SERVER\GG\chem\gc11.i\GC11CI24A1.B\DMFB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	
					(mg/L)	(mg/L)	
1 dimethylformamide	2.013	2.013	0.000	24973	0.50000	0.492 (M)	MS
\$ 2 diethylformamide	2.733	2.733	0.000	289082	4.00000	4.08 (AM)	JLP 100809

QC Flag Legend

- A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc11.i\nGC11C124A1.b\NCI6108.d
Date : 24-SEP-2009 12:55

Client ID:

Sample Info: DMFB039A.M,GC11C124A1.B,1,ICAL 0.5
Purge Volume: 0.0

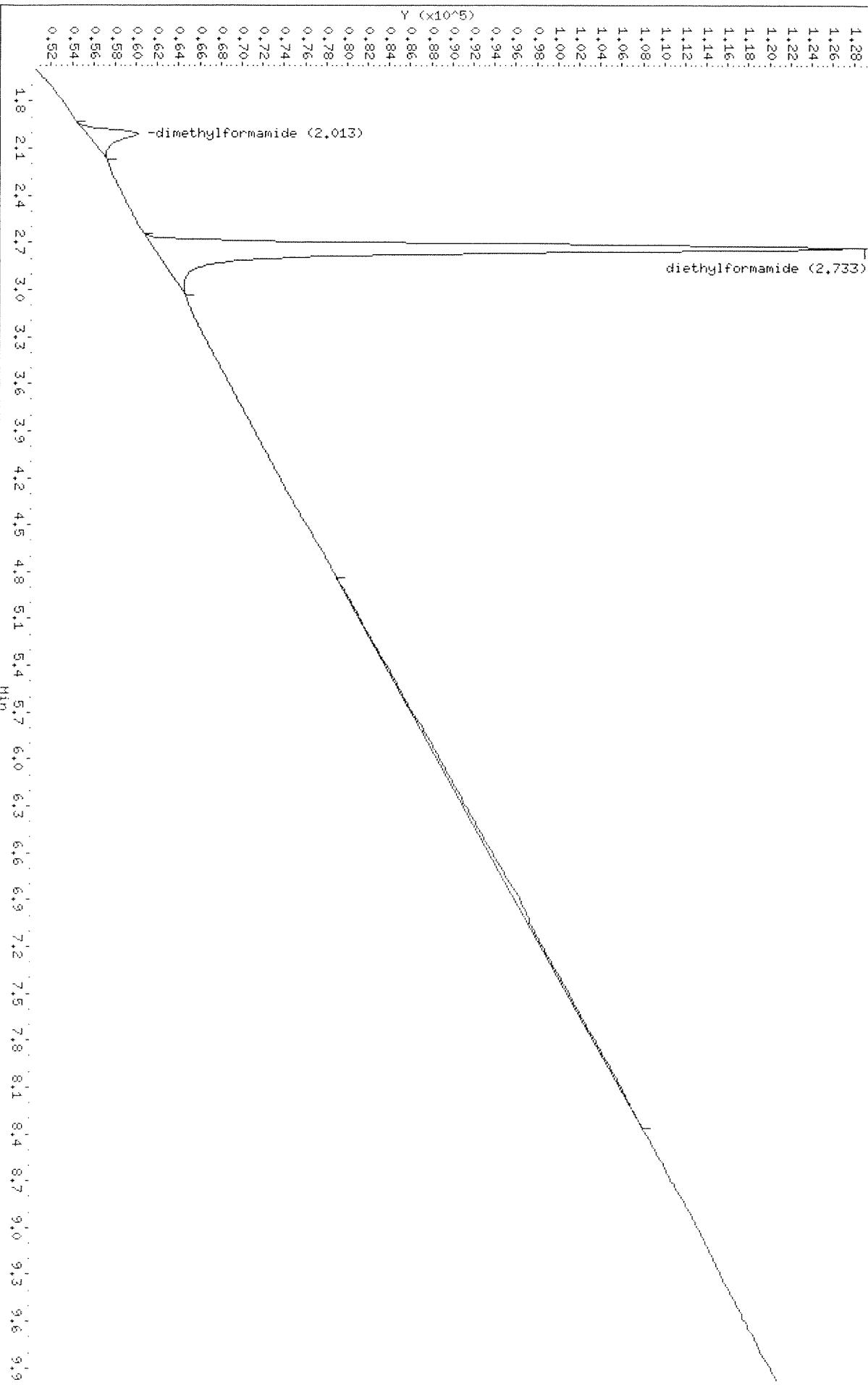
Column Phase: ZB-WAX

Instrument: gc11.i

Operator: JLP

Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\nGC11C124A1.b\NCI6108.d\NCI6108.RAW



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

Instrument ID: GC11 Calibration Date: 09/23/09 Time: 0852

Lab File ID: BCI6062 Init. Calib. Date(s): 09/15/09 09/15/09

Init. Calib. Times: 0936 1143

GC Column: ZB-WAX ID: 0.53 (mm)

COMPOUND	RRF0.2500		CCAL	MIN	%D or %DRIFT	MAX %D or %DRIFT	CURV	TYPE
	RRF or AMOUNT	or AMOUNT						
dimethylformamide	0.2015400	0.2500000	39868.000	0.01	-19.38	25.00	LINR	
diethylformamide	2.3109000	2.5000000	61071.000	0.01	-7.56	25.00	LINR	

FORM VII PEST

Data File: \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6062.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6062.d
Lab Smp Id: CV 0.25
Inj Date : 23-SEP-2009 08:52
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M, GC11CI23A1.B, 1, CV 0.25
Misc Info : CV
Comment :
Method : \\\TARGET_SERVER\GG\chem\gc11.i\GC11CI23A1.B\DMFB038A.m
Meth Date : 23-Sep-2009 14:39 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (mg/L)	ON-COL (mg/L)	
	=====	=====	=====	=====	=====	=====	=====
1 dimethylformamide	1.960	1.960	0.000	9967	0.25000	0.202 (M)	M5
2 diethylformamide	2.680	2.680	0.000	152677	2.50000	2.31 (M)	JP 100809

QC Flag Legend

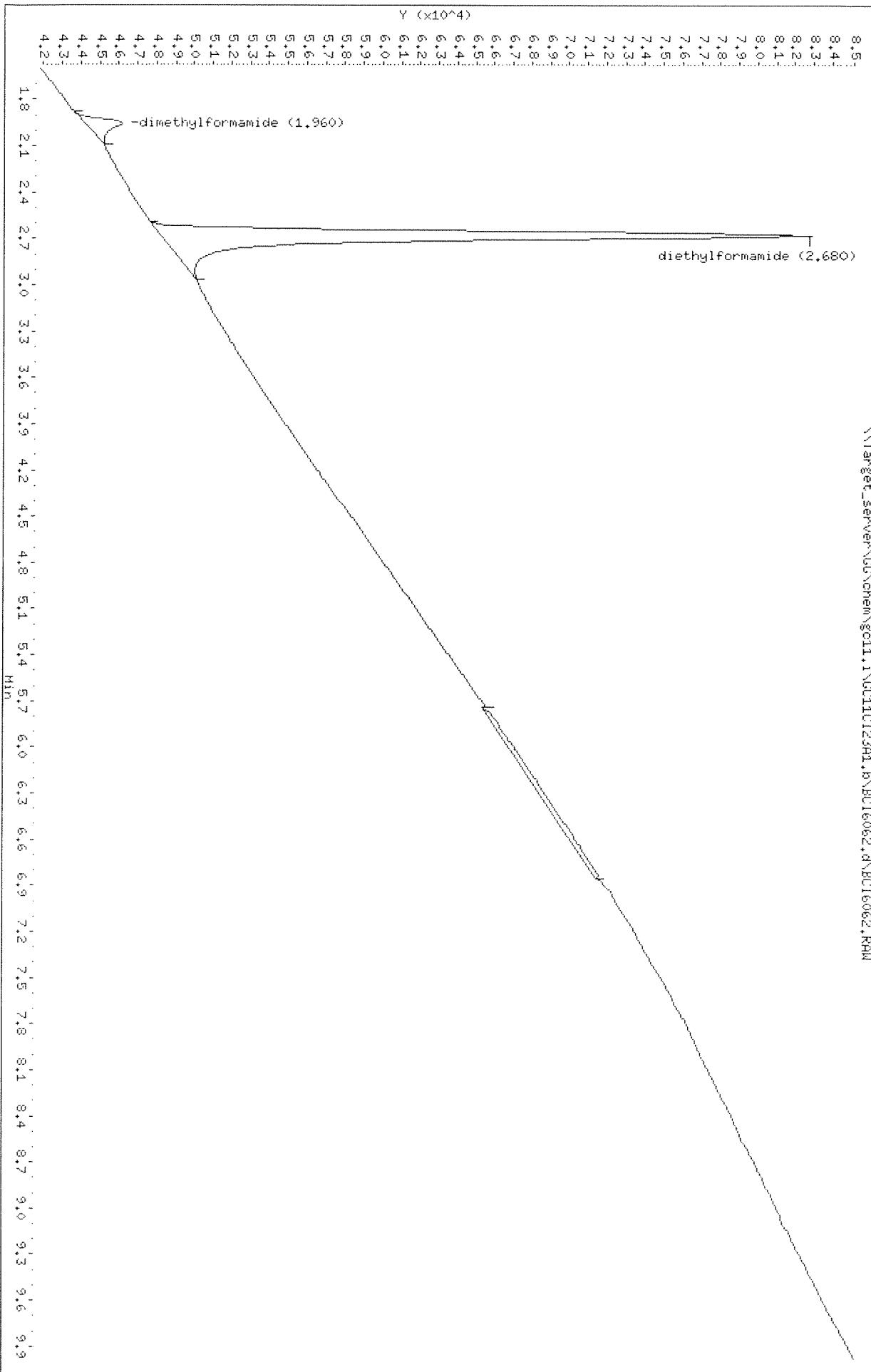
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16062.d
Date : 23-SEP-2009 08:52
Client ID:
Sample Info: DMFB038A.M,GC11C123A1.B,1,CV 0.25

Purge Volume: 0.0
Column phase: ZB-WAX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16062.d\BC16062.RAW



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

Instrument ID: GC11 Calibration Date: 09/23/09 Time: 1212

Lab File ID: BCI6076 Init. Calib. Date(s): 09/15/09 09/15/09

Init. Calib. Times: 0936 1143

GC Column: ZB-WAX ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	or AMOUNT	RRF0.2500 CCAL	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
dimethylformamide	0.1692400	0.2500000	32732.000	0.01	-32.30	25.00	LINR
diethylformamide	1.8903000	2.5000000	49452.000	0.01	-24.39	25.00	LINR

FORM VII PEST

Data File: \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6076.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6076.d
Lab Smp Id: CV 0.25
Inj Date : 23-SEP-2009 12:12
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M, GC11CI23A1.B, 1, CV 0.25
Misc Info : CV
Comment :
Method : \\\TARGET_SERVER\GG\chem\gc11.i\GC11CI23A1.B\DMFB038A.m
Meth Date : 23-Sep-2009 14:39 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (mg/L)	ON-COL (mg/L)	
	====	=====	=====	=====	=====	=====	=====
1 dimethylformamide	1.960	1.960	0.000	8183	0.25000	0.169(M)	M2
\$ 2 diethylformamide	2.680	2.680	0.000	123630	2.50000	1.89(M)	

QC Flag Legend

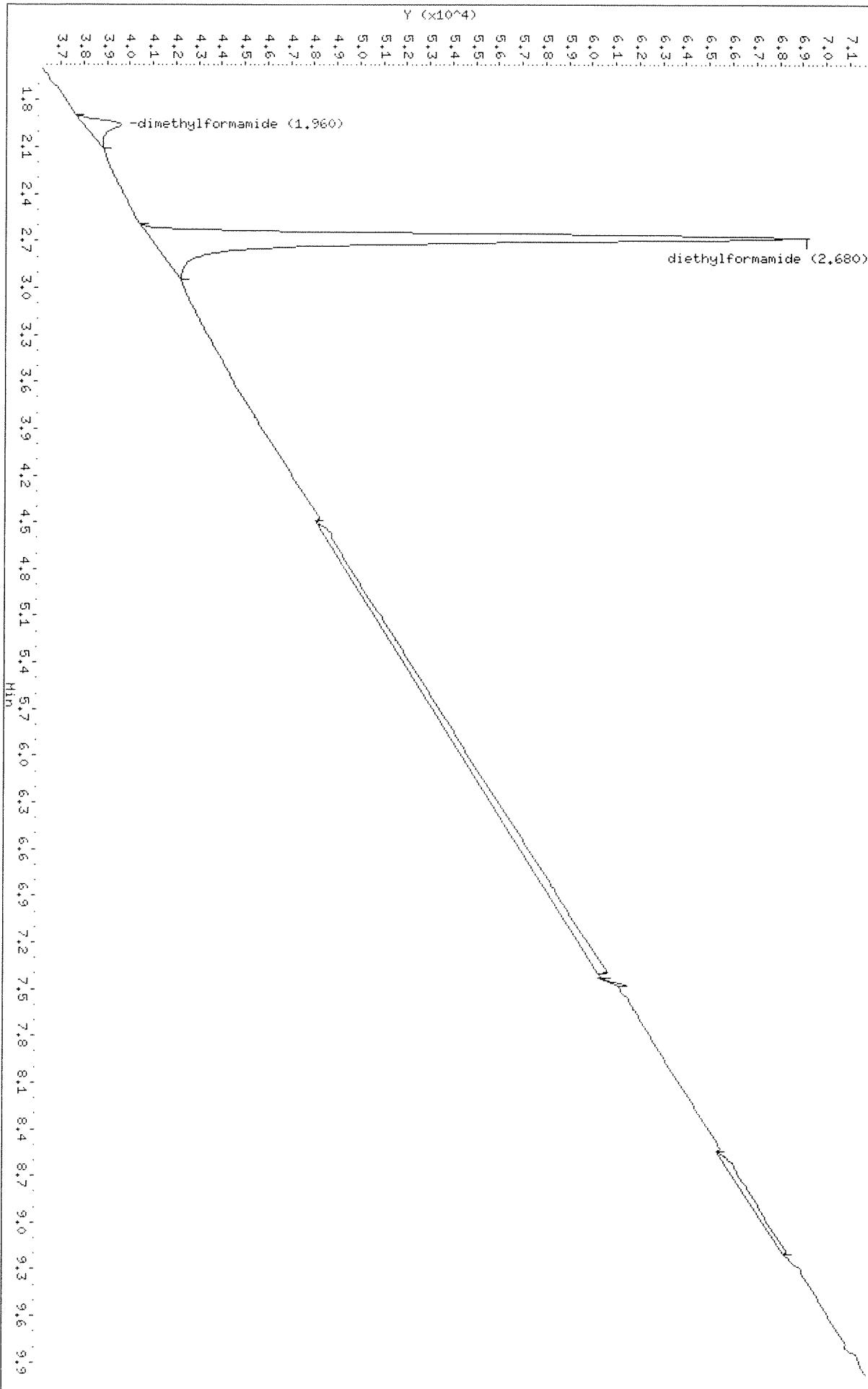
M - Compound response manually integrated.

JP
100809

Data File: \\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16076.d
Date : 23-SEP-2009 12:12
Client ID:
Sample Info: DMFB038A.H,GC11C123A1.B,1,CV 0.25
Purge Volume: 0.0
Column phase: ZB-WAX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16076.d\BC16076.RAW



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

Instrument ID: GC11 Calibration Date: 09/24/09 Time: 1558

Lab File ID: BCI6121 Init. Calib. Date(s): 09/24/09 09/24/09

Init. Calib. Times: 0916 1255

GC Column: ZB-WAX ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
dimethylformamide	0.2453800	0.2500000	47536.000	0.01	-1.85	25.00	LINR
diethylformamide	2.2311000	2.5000000	61968.000	0.01	-10.76	25.00	LINR

FORM VII PEST

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6121.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6121.d
Lab Smp Id: CV 0.25
Inj Date : 24-SEP-2009 15:58
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,CV 0.25
Misc Info : CV
Comment :
Method : \\\TARGET_SERVER\GG\chem\gc11.i\GC11CI24A1.B\DMFB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

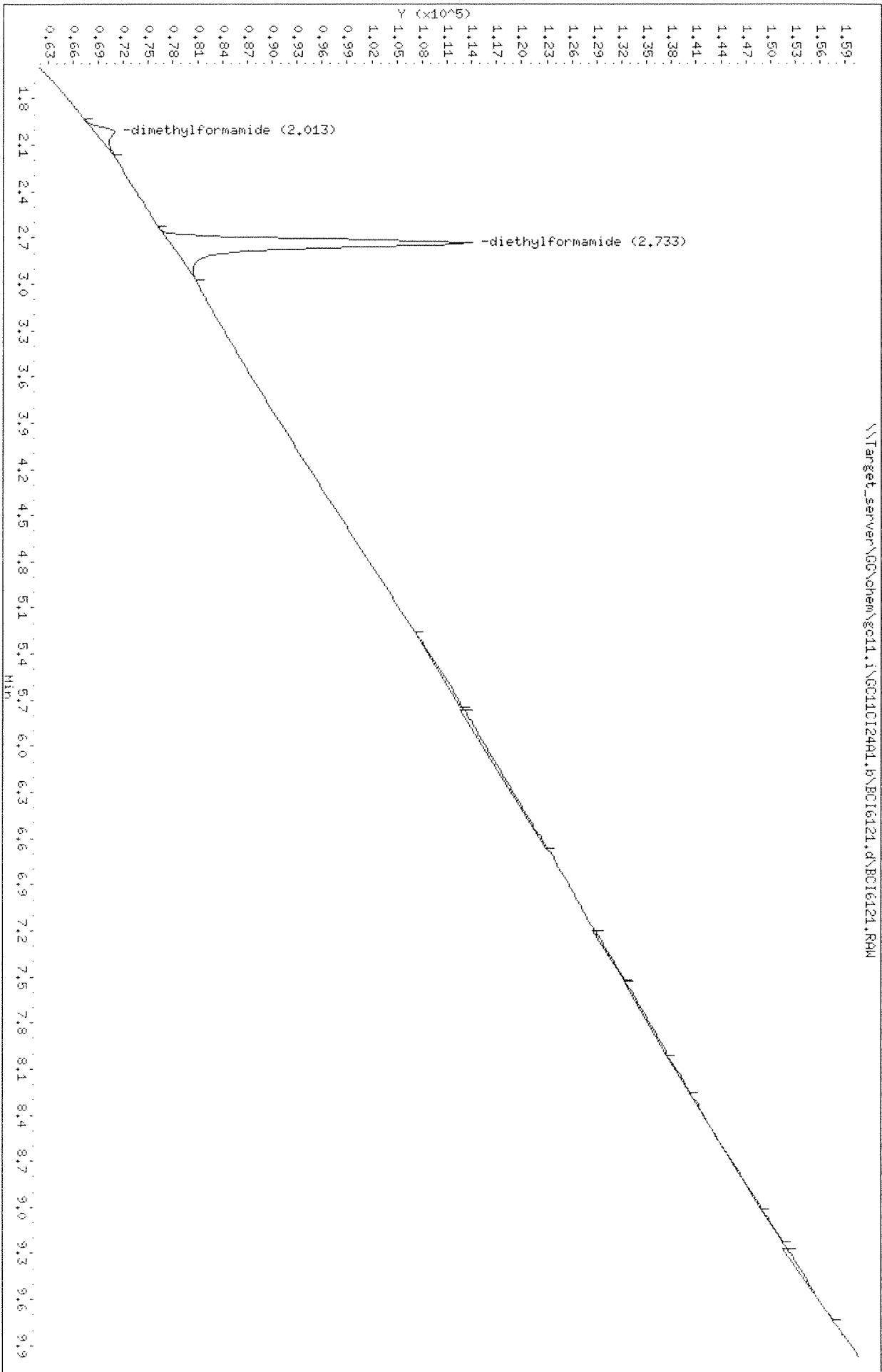
Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	
					(mg/L)	(mg/L)	
1 dimethylformamide	2.013	2.013	0.000	11884	0.25000	0.245 (M)	M5
2 diethylformamide	2.733	2.733	0.000	154920	2.50000	2.23 (M)	JLP 100809

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16121.d
Date : 24-SEP-2009 15:58
Client ID:
Sample Info: DMFB039A.M,GC11C124A1.B,1,CV 0.25
Purge Volume: 0.0
Column Phase: ZB-WAX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53
\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BC16121.d\BC16121.RAW



FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: WILMINGTON SDG No.: WIL-8

Instrument ID: GC11 Calibration Date: 09/24/09 Time: 1846

Lab File ID: BCI6133 Init. Calib. Date(s): 09/24/09 09/24/09

Init. Calib. Times: 0916 1255

GC Column: ZB-WAX ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV	TYPE
dimethylformamide	0.1858500	0.2500000	34896.000	0.01	-25.66	25.00	LINR	
diethylformamide	1.8815000	2.5000000	51836.000	0.01	-24.74	25.00	LINR	

FORM VII PEST

Data File: \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6133.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI24A1.b\BCI6133.d
Lab Smp Id: CV 0.25
Inj Date : 24-SEP-2009 18:46
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB039A.M,GC11CI24A1.B,1,CV 0.25
Misc Info : CV
Comment :
Method : \\\TARGET SERVER\GG\chem\gc11.i\GC11CI24A1.B\DMFB039A.m
Meth Date : 25-Sep-2009 07:17 jprescott Quant Type: ESTD
Cal Date : 24-SEP-2009 12:55 Cal File: BCI6108.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	AMOUNTS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT	ON-COL	
					(mg/L)	(mg/L)	
1 dimethylformamide	2.133	2.013	0.120	8724	0.25000	0.186 (M)	M5
\$ 2 diethylformamide	2.733	2.733	0.000	129590	2.50000	1.88 (M)	JLP 100809

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc11.i\GC11C124A1.b\BCI16133.d
Date : 24-SEP-2009 18:46

Client ID:

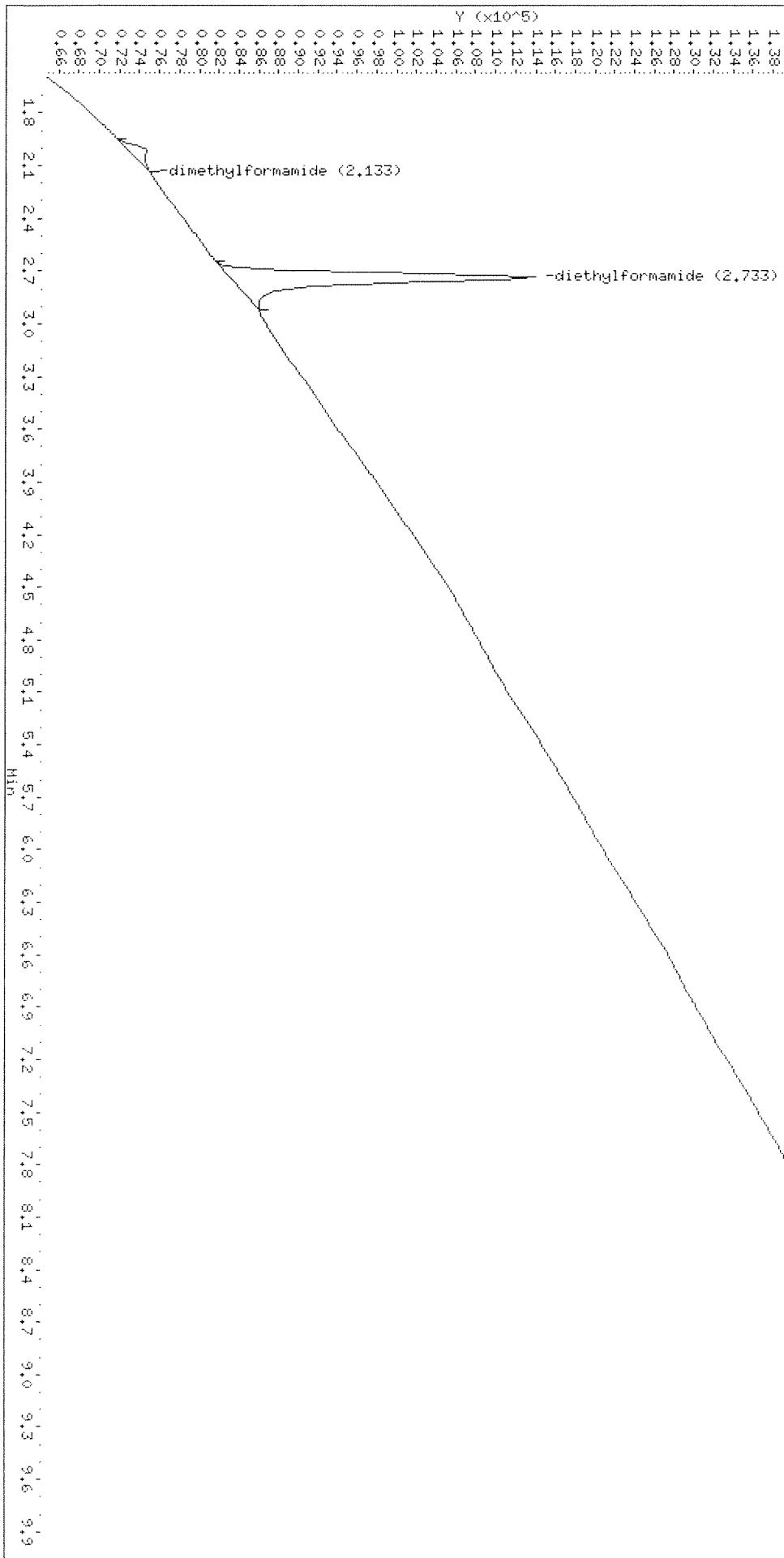
Sample Info: DMFB039A.M,GC11C124A1.B,1,CV 0.25

Purge Volume: 0.0

Column phase: ZB-WAX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\GC11C124A1.b\BCI16133.d\BCI16133.RAW



Raw QC Data Section

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Lab ID: WG68961-1
Project: Wilmington Client ID: WG68961-Blank
PO No: SDG: WIL-8
Sample Date: Extracted by: JLP
Received Date: Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 23-SEP-2009 11:01 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt
% Solids: 100

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.80	1.0	0.80	0.80	0.80
	diethylformamide		93%				

Page 01 of 01 BCI6071.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6071.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6071.d
Lab Smp Id: WG68961-1 Client Smp ID: WG68961-Blank
Inj Date : 23-SEP-2009 11:01
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M,GC11CI23A1.B,1,WG68961-1
Misc Info : SW846 8033M
Comment :
Method : \\\TARGET SERVER\GG\chem\gc11.i\GC11CI23A1.B\DMFB038A.m
Meth Date : 23-Sep-2009 14:39 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00100	Sample Weight
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	(mg/Kgdrwt)	
\$ 2 diethylformamide	2.680	2.680	0.000	25183	0.46459	18.6	

Data File: \\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16071.d
Date : 23-SEP-2009 11:01

Client ID: WG68961-Blank

Sample Info: DMFB038A.M,GC11C123A1.B,1,WG68961-1

Purge Volume: 0.0

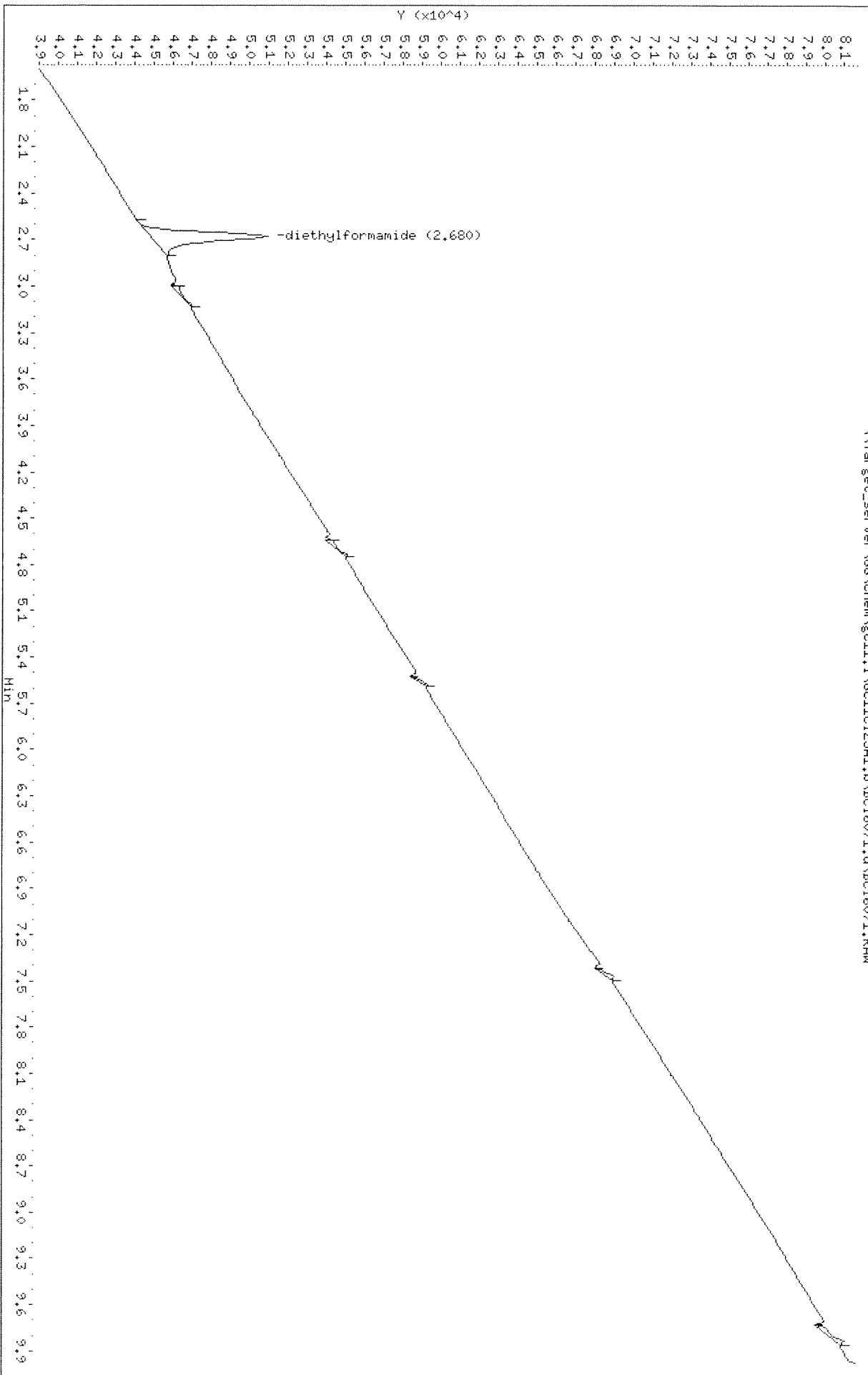
Column Phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16071.d\BC16071.RAW

Instrument: gc11.i

Operator: JLP

Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Lab ID: WG68988-1
Project: Wilmington Client ID: WG68988-Blank
PO No: SDG: WIL-8
Sample Date: Extracted by:
Received Date: Extraction Method: 8033M
Extraction Date: Analyst: JLP
Analysis Date: 23-SEP-2009 09:22 Analysis Method: SW846 M8033
Report Date: 10/08/2009 Lab Prep Batch: WG68988
Matrix: WATER Units: mg/L
% Solids: NA

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	dimethylformamide	U	0.020	1.0	0.020	0.020	0.0048
	diethylformamide		111%				

Page 01 of 01 BCI6064.d

Data File: \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6064.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6064.d
Lab Smp Id: WG68988-1 Client Smp ID: WG68988-Blank
Inj Date : 23-SEP-2009 09:22
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M,GC11CI23A1.B,1,WG68988-1
Misc Info : SW846 M8033
Comment :
Method : \\\TARGET_SERVER\GG\chem\gc11.i\GC11CI23A1.B\DMFB038A.m
Meth Date : 23-Sep-2009 14:39 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	(mg/L)	FINAL	
	=====	=====	=====	=====	=====	=====	
\$ 2 diethylformamide	2.680	2.680	0.000	31354	0.55395	0.554 (M)	M4

QC Flag Legend

M - Compound response manually integrated.

JLP
100809

Data File: \\Target_server\GG\chem\gc11.i\GC11C123A1.b\BCI6064.d
Date : 23-SEP-2009 09:22

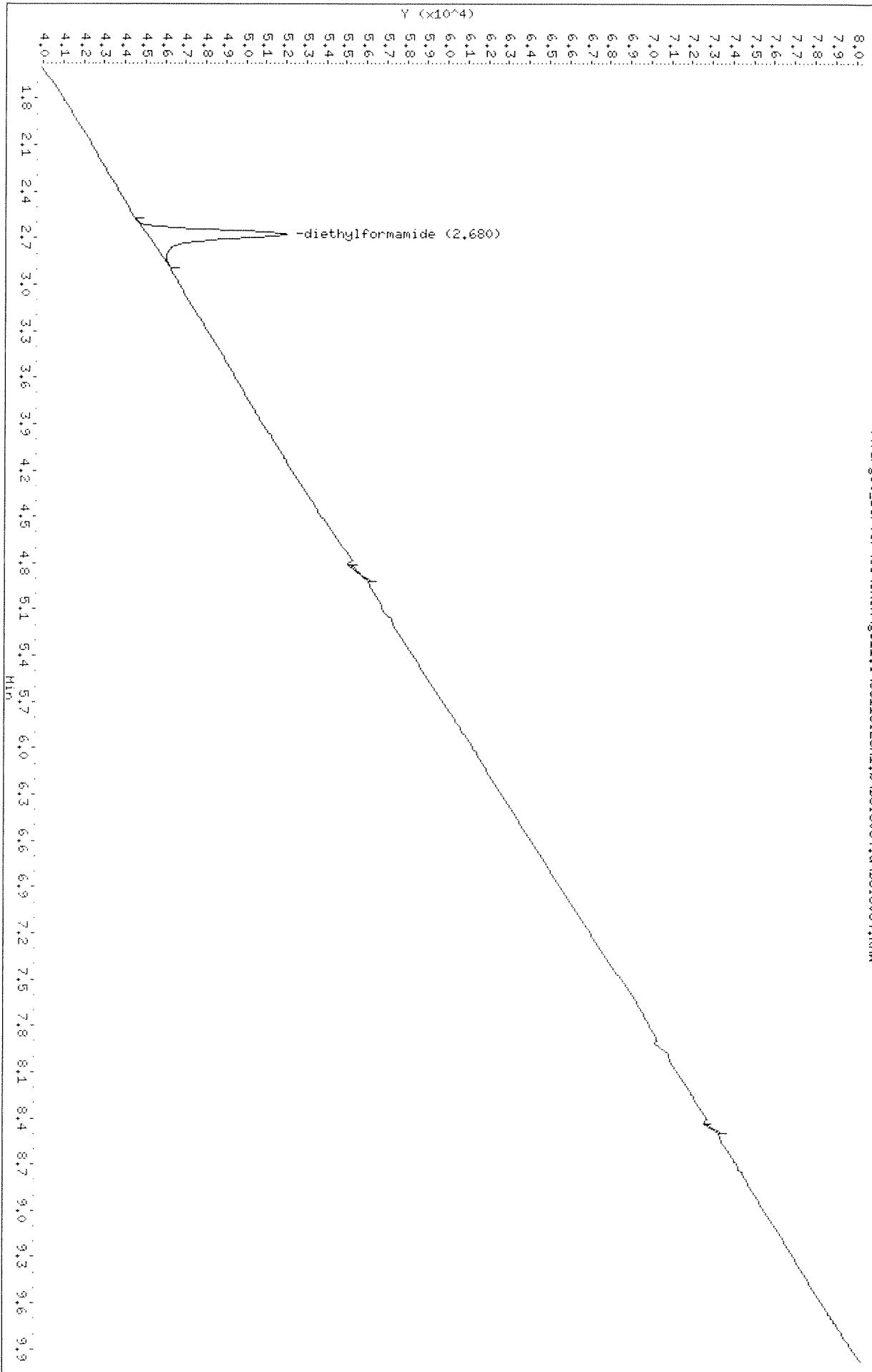
Client ID: WG68988-Blank
Sample Info: DHFB038A.M,GC11C123A1.B,1,WG68988-1

Purge Volume: 0.0
Column Phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C123A1.b\BCI6064.d

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GG\chem\gc11.i\GC11C123A1.b\BCI6064.d\BCI6064.RAW



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client: Lab ID: WG68961-2 & WG68961-3
Project: Wilmington Client ID: WG68961-LCS & WG68961-LCSD
PO No: SDG: WIL-8
Sample Date: Extracted by: JLP
Received Date: Extraction Method: 8033M
Extraction Date: 09/22/09 Analyst: JLP
Analysis Date: 09/23/09 Analysis Method: SW846 8033M
Report Date: 10/08/2009 Lab Prep Batch: WG68961
Matrix: SOIL Units: mg/Kgdrwt

COMPOUND	LCS	LCSD	SAMPLE	LCS	LCSD	LCS	LCSD	%RPD	QC.	
	SPIKE	SPIKE	CONC.	CONC.	CONC.	%REC.	%REC.	%RPD	LIMIT	LIMITS
dimethylformamide	10	10	NA	7.0	8.1	70	81	16	50	70-130

Data File: \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6072.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6072.d
Lab Smp Id: WG68961-2 Client Smp ID: WG68961-LCS
Inj Date : 23-SEP-2009 11:15
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M,GC11CI23A1.B,1,WG68961-2
Misc Info : SW846 8033M
Comment :
Method : \\TARGET SERVER\GG\chem\gc11.i\GC11CI23A1.B\DMFB038A.m
Meth Date : 23-Sep-2009 14:39 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00100	Sample Weight
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL	
					(mg/L)	(mg/Kgdrwt)	
1 dimethylformamide	1.960	1.960	0.000	8451	0.17409	6.96 (RM)	M5
\$ 2 diethylformamide	2.680	2.680	0.000	13742	0.29890	12.0 (M)	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

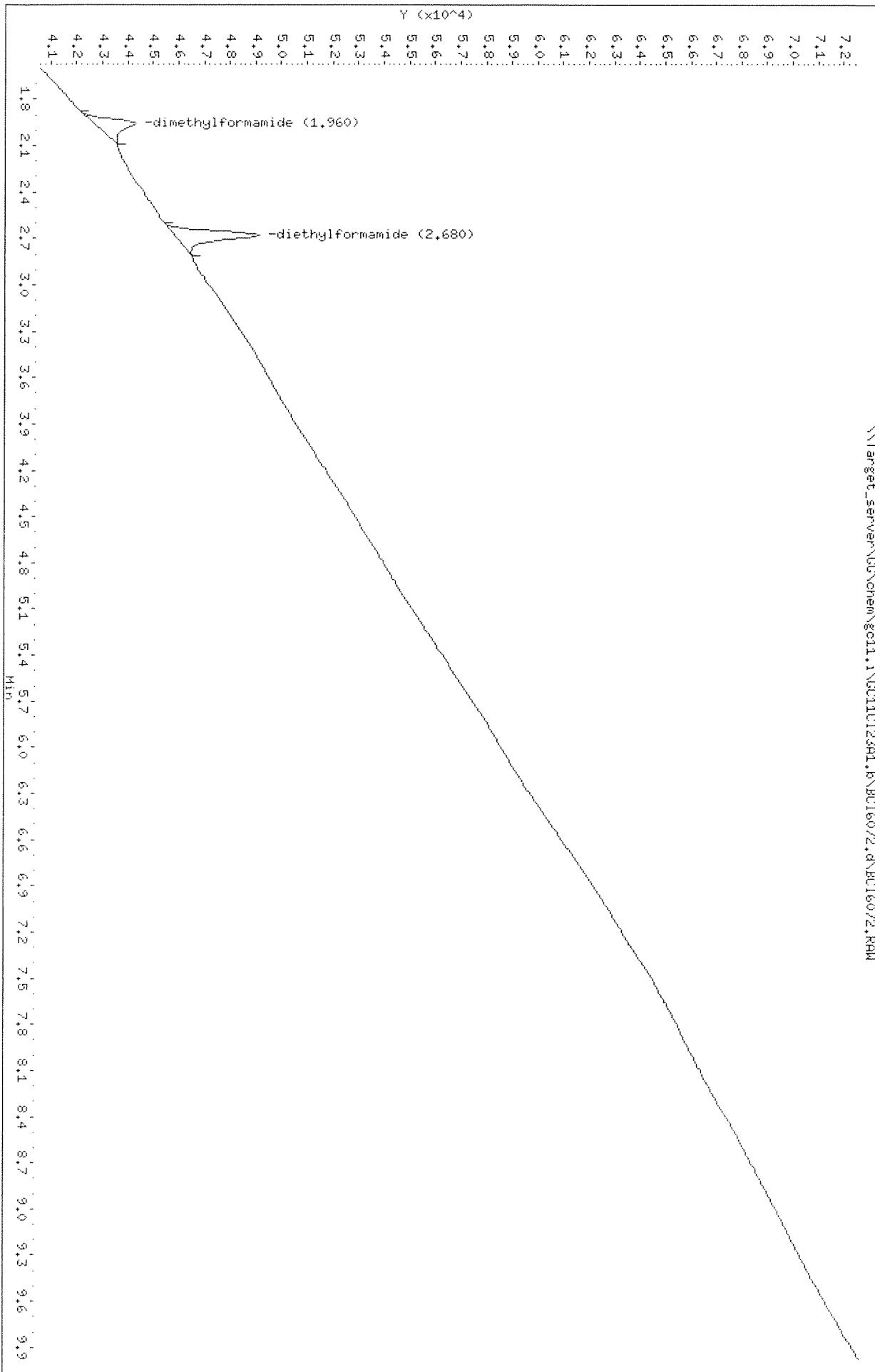
Data File: \\Target_server\GC\chem\gc11.i\GC11C123A1.b\BC16072.d
Date : 23-SEP-2009 11:15
Client ID: W68961-LCS

Sample Info: DRFB038A.M,GC11C123A1.B,1,W68961-2
Purge Volume: 0.0

Column phase: ZB-MQX

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GC\chem\gc11.i\GC11C123A1.b\BC16072.d\BC16072.RAW



Data File: \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6074.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6074.d
Lab Smp Id: WG68961-3 Client Smp ID: WG68961-LCSD
Inj Date : 23-SEP-2009 11:44
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M,GC11CI23A1.B,1,WG68961-3
Misc Info : SW846 8033M
Comment :
Method : \\\TARGET_SERVER\GG\chem\gc11.i\GC11CI23A1.B\DMFB038A.m
Meth Date : 23-Sep-2009 14:39 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo)*(100/(100-M)) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.04000	Volume of final extract (L)
Vo	0.00100	Sample Weight
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS							REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL		
					(mg/L)	(mg/Kgdrwt)		
1 dimethylformamide	1.960	1.960	0.000	10082	0.20363	8.14 (M)	MS	
\$ 2 diethylformamide	2.680	2.680	0.000	12461	0.28035	11.2 (M)	JLP 100809	

QC Flag Legend

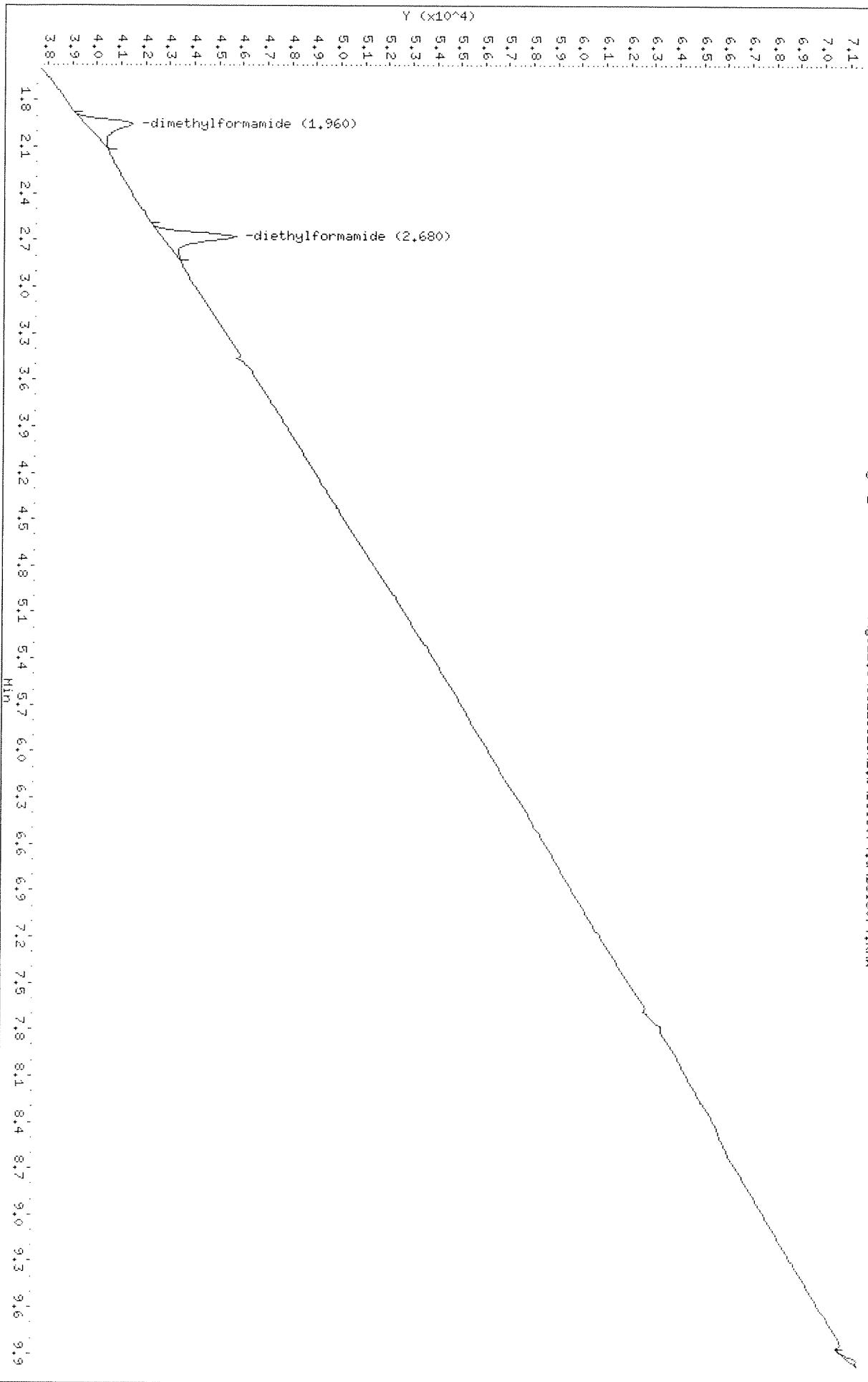
M - Compound response manually integrated.

Data File: \\Target_server\GC\Chem\gc11.i\GC11C123A1.b\BC16074.d
Date : 23-SEP-2009 11:44
Client ID: WG68961-LCD

Sample Info: DMFB038A.H,GC11C123A1.B,1,WG68961-3
Purge Volume: 0.0
Column phase: ZB-NPAK

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53

\\Target_server\GC\chem\gc11.i\GC11C123A1.b\BC16074.d\BC16074.RAW



KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client: Lab ID: WG68988-2 & WG68988-3
Project: Wilmington Client ID: WG68988-LCS & WG68988-LCSD
PO No: SDG: WIL-8
Sample Date: Extracted by:
Received Date: Extraction Method: 8033M
Extraction Date: Analyst: JLP
Analysis Date: 09/23/09 Analysis Method: SW846 M8033
Report Date: 10/08/2009 Lab Prep Batch: WG68988
Matrix: WATER Units: mg/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD %RPD	QC. LIMIT	QC. LIMITS
dimethylformamide	0.10	0.10	NA	0.08	0.08	80	82	2	30	70-130

Data File: \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6065.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6065.d
Lab Smp Id: WG68988-2 Client Smp ID: WG68988-LCS
Inj Date : 23-SEP-2009 09:36
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M, GC11CI23A1.B,1, WG68988-2
Misc Info : SW846 M8033
Comment :
Method : \\TARGET SERVER\GG\chem\gc11.i\GC11CI23A1.B\DMFB038A.m
Meth Date : 23-Sep-2009 14:39 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL	
					(mg/L)	(mg/L)	
1 dimethylformamide	2.066	1.960	0.106	3272	0.08031	0.0803 (M)	M5
\$ 2 diethylformamide	2.680	2.680	0.000	41858	0.70607	0.706 (M)	JLP 100809

QC Flag Legend

M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16065.d
Date : 23-SEP-2009 09:36

Client ID: WG68988-LCS

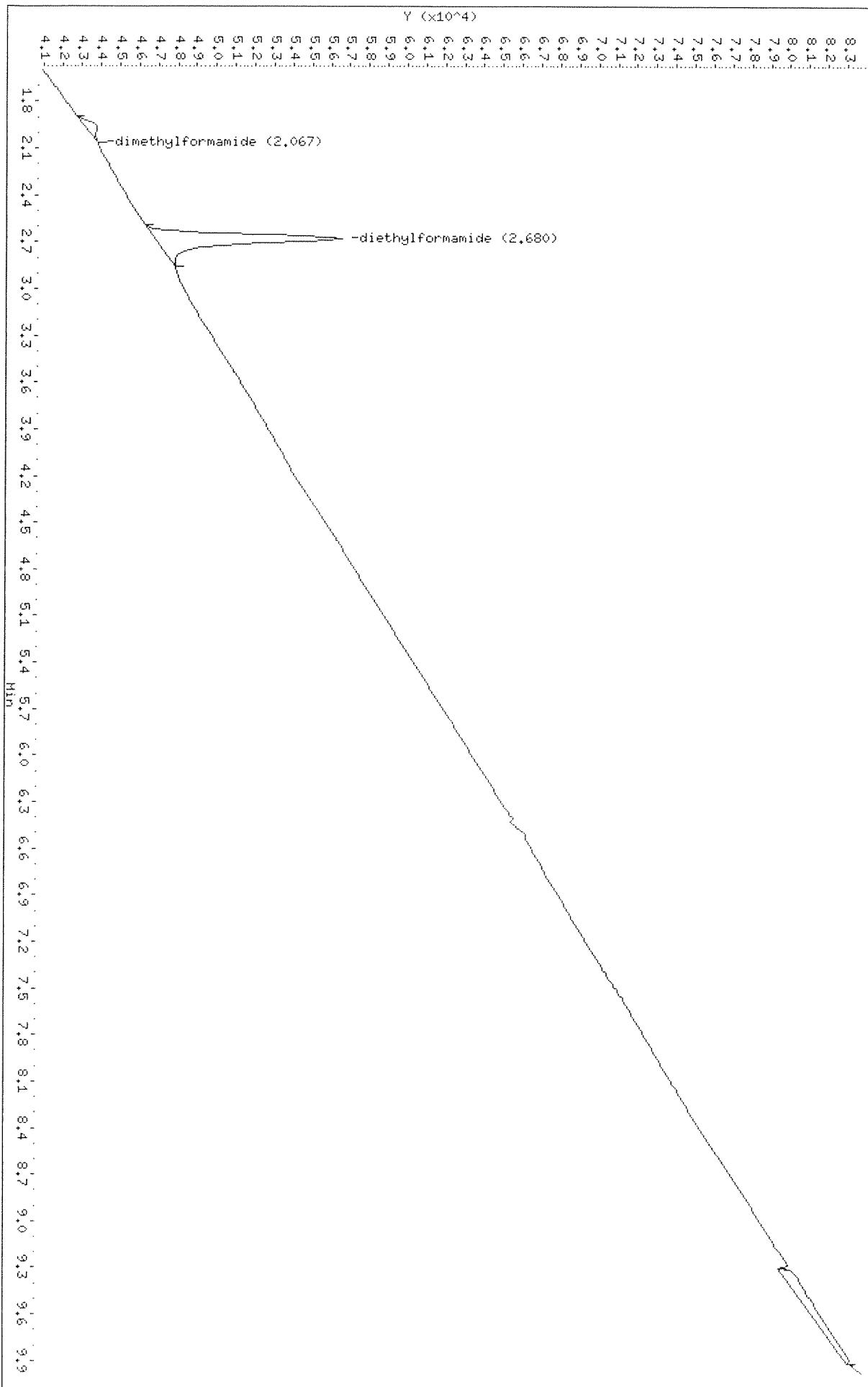
Sample Info: DHFB038A.M,GC11C123A1.B,1,WG68988-2

Purge Volume: 0.0

Column Phase: ZB-WAX

\\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16065.d\BC16065.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



Data File: \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6067.d
Report Date: 08-Oct-2009 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc11.i\GC11CI23A1.b\BCI6067.d
Lab Smp Id: WG68988-3 Client Smp ID: WG68988-LCSD
Inj Date : 23-SEP-2009 10:04
Operator : JLP Inst ID: gc11.i
Smp Info : DMFB038A.M, GC11CI23A1.B, 1, WG68988-3
Misc Info : SW846 M8033
Comment :
Method : \\\TARGET SERVER\GG\chem\gc11.i\GC11CI23A1.B\DMFB038A.m
Meth Date : 23-Sep-2009 14:39 jprescott Quant Type: ESTD
Cal Date : 15-SEP-2009 11:43 Cal File: BCI4082.d
Als bottle: 1 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: SW8033M.sub
Target Version: 4.12
Processing Host: V200T2

Concentration Formula: Amt * DF * (Vt/Vo) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	FinalVolume (L)
Vo	0.00100	SampleVolume (L)
Cpnd Variable		Local Compound Variable

Compounds	CONCENTRATIONS						REVIEW CODE
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN	FINAL	
					(mg/L)	(mg/L)	
1 dimethylformamide	1.973	1.960	0.013	3351	0.08174	0.0817 (M)	M5
\$ 2 diethylformamide	2.680	2.680	0.000	39597	0.67333	0.673 (M)	JLP 100809

QC Flag Legend

M - Compound response manually integrated.

Data File: \Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16067.d
Date : 23-SEP-2009 10:04

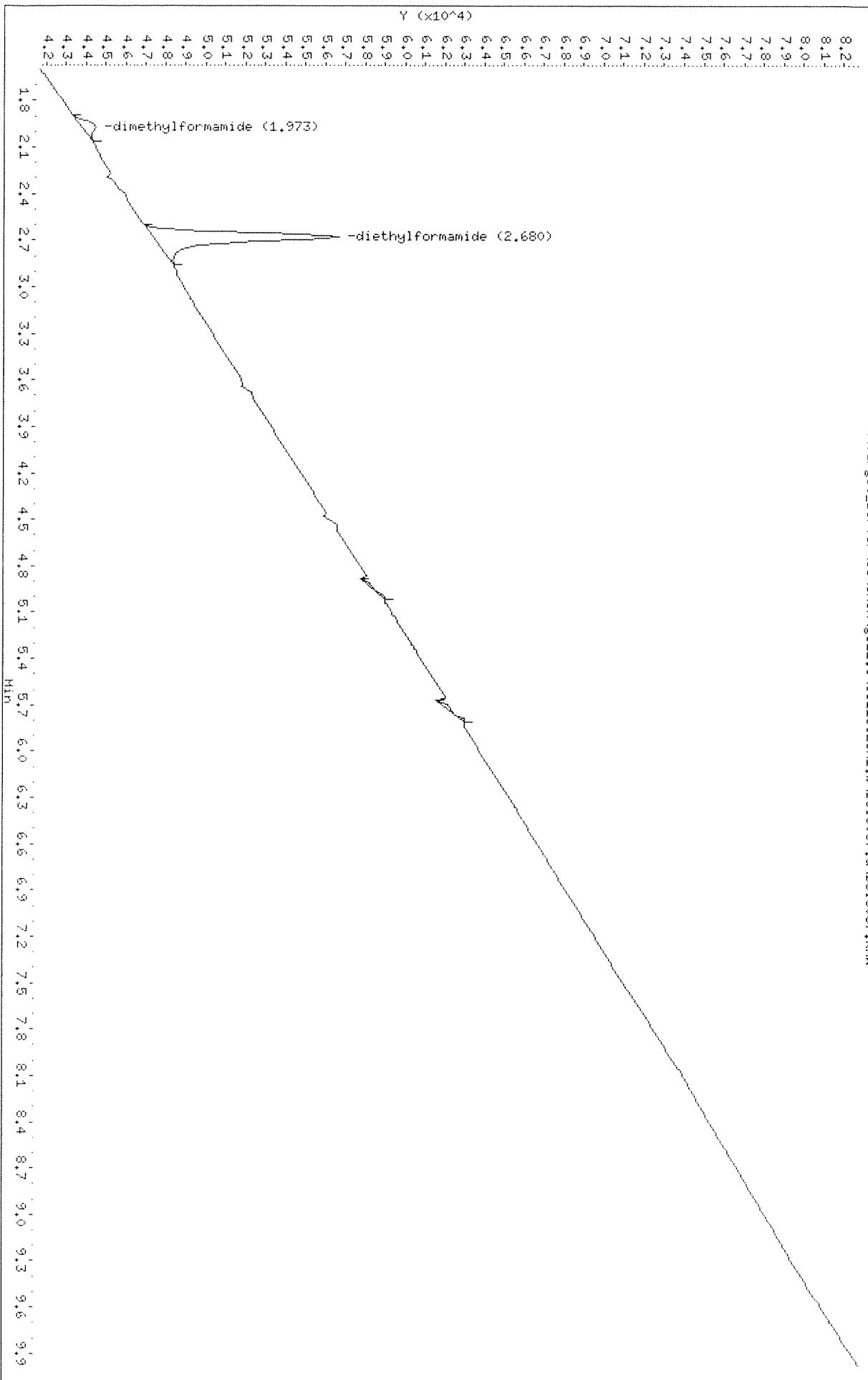
Client ID: WG68988-LCSD

Purge Volume: 0.0

Column Phase: ZB-WAX

\Target_server\GG\chem\gc11.i\GC11C123A1.b\BC16067.d\BC16067.RAW

Instrument: gc11.i
Operator: JLP
Column diameter: 0.53



Logbooks and Supporting Documents

Katahdin Analytical Services, Inc
GC Laboratory Instrument Runlog
Instrument GC11

Method (circle):
SW846 8015M - Glycols
SW846 8015M - Alcohols
SW846 8015M - 2-MOE
SW846 8033M - DMF
Signal _____ Power _____

Reviewed by/Date: _____

Date	Init	Result File	Sample Number	Accept Y/N	Method Channel A: B:	Column	Comments
9-18-09	JIP	BCJ60 58	CV 0.25	Y	DMFB038A	227	
1	J	BCJ60 59	W	N	↓	↓	
9-27-09	JIP	60	CV 0.25	N			
		61	W	N			
		62	CV 0.25	Y			
		63	W	N			
		64	W668988-1	Y			
		65	↓ -2	Y			↓ DMF JIP 092309
		66	W	N			
		67	W668988-3	Y			
		68	W	N			
		69	SC S605-6 A	Y			
		70	SC S604-21 A	Y			
		71	W668961-1	Y			
		72	↓ -2	Y			
		73	W	N			
		74	W668961-3	Y			
		75	W	N			
		76	CV 0.25	Y			↓
		77	W	N			
		78	CV 0.25	N			↓
		79	W	N			
		80	NEW liner + Supra				
		80	CJ 0.25	N			signal dropped
		81	W	N			
		82	CJ 0.25	N			↓
		83	W	N	↓		

	STANDARD ID	uL added	STD. CODE	STD. CODE
1	Surrogate	5uL	GCV2346	
2	LCS	10uL	GCV2305	
3	CV	—	GCV2309	
4				

Katahdin Analytical Services, Inc
GC Laboratory Instrument Runlog
Instrument GC11

Method (circle):
SW846 8015M - Glycols
SW846 8015M - Alcohols
SW846 8015M - 2-MQE
SW846 8033M - DMF
Signal _____ Power _____

Reviewed by/Date: _____

Date	Init	Result File	Sample Number	Accept Y/N	Method Channel A: B:	Column	Comments
9-15-09	JUP	BCI4072	(a) Pt test	Y	DMFB037A	227	
		73	ICAL 0.02	Y	DMFB038A		GCV2307
		74	↓ 0.05	Y			GCV2307
		75	↓ 0.1	Y			GCV2308
		76	W	N			
		77	ICAL 0.25	Y			GCV2309
		78	W	N			
		79	ICAL 0.5	Y			GCV2310
		80	W	N			
		81	W	N			GCV2311
		82	ICAL 1.0	Y			
		83	W	N			
		84	W	↓			
		85	W				
		86	W _{0.6} 8460-1	Y			
		87	↓ -2	Y			
		88	W	N			
		89	W _{0.6} 8460-3	Y			
		90	W	N			
		91	SC5104-10RA B	Y			
		92	SC5142-8RA	Y			
		93	SC5326-5RA	Y			
		94	CV 0.25	Y			GCV2309
		95	W	N			
		96	SC4941-4RA	Y			
		97	SC4945-4RA	Y			
		98	↓ -2 RA	Y			

	STANDARD ID	uL added	STD. CODE	STD. CODE
1	Surrogate	5	GCV2305	2346
2	LCS	10	GCV2305	
3	CV	—	GCV2306	2346
4				

JUP 091509
JUP 091509

Katahdin Analytical Services, Inc
GC Laboratory Instrument Runlog
Instrument GC11

Method (circle):
SW846 8015M - Glycols
SW846 8015M - Alcohols
SW846 8015M - 2-MOE
SW846 8033M - DMF
Signal _____ Power _____

Reviewed by/Date: _____

Date	Init	Result File	Sample Number	Accept Y/N	Method Channel A: B:	Column	Comments
9/23/09	JLP	BCI60 84	ICAL 0.02	N	DMF B039A	227	
			85	↓ 0.05			
			86	↓ 0.1			
			87	W			
			88	ICAL 0.25	↓		
			89	W	N	↓	WST, fault.
9/24/09		90	ICAL 0.02	N			too ↓
		91	0.05	N			
		90A	lowered purge flow to 15 mL/min				
		90A	ICAL 0.02	N			signal dropped
		90B	↓	N			↓
			increased purge flow to 25 mL/min				
		90C	0.02	N			good
9/24/09	JLP	BCI60 92	Prime	N	DMF B039A	227	
		93	ICAL 0.05	Y			603>307
		94	↓ 0.1	Y			603>308
		95	W	N			
		96	ICAL 0.02	Y			603>309
		97	↓ 0.25	N			RESPONSE ↓
		98	W	N			
		99	ICAL 0.5	N			RESPONSE ↓
		BCI6100	W	N			
		101	W	N			
		102	ICAL 1.0	Y			603>310
		103	W	N			
		104	↓	↓			
		105	↓	↓			

	STANDARD ID	uL added	STD. CODE	STD. CODE
1	Surrogate			
2	LCS			
3	CV	—	G-CJ2309	
4				

Katahdin Analytical Services, Inc
 GC Laboratory Instrument Runlog
 Instrument GC11

Method (circle):
 SW846 8015M - Glycols
 SW846 8015M - Alcohols
 SW846 8015M - 2-MOE
SW846 8033M - DMF
 Signal _____ Power _____

Reviewed by/Date: _____

Date	Init	Result File	Sample Number	Accept Y/N	Method Channel A: B:	Column	Comments
9-24-09	JW	BCJ16 106	ICAL 0.25	Y	DMFB039A	327	GCV>309
			107 W	N			
			108 ICAL 0.5	Y			GCV>310
			109 W	N			
			110 W	N			
			111 SCS606-K	Y			
			112	-2			
			113	-3			
			114	-4			
			115	-5			
			116	-6			
			117	-7			
			118	-8			
			119	-9			
			120	-10			
			121 CV 0.25	Y			
			122 W	2			
			123 SCS606-K	Y			
			124	-12			
			125	-13			
			126	-14			
			127	-15			
			128	-16			
			129	-17			
			130	-18			
			131	-19			
			132	-20			

	STANDARD ID	uL added	STD. CODE	STD. CODE
1	Surrogate			
2	LCS			
3	CV	—	GCV2309	
4				

Katahdin Analytical Services, Inc
GC Laboratory Instrument Runlog
Instrument GC11

Method (circle):
 SW846 8015M - Glycols
 SW846 8015M - Alcohols
 SW846 8015M - 2-MOE
 SW846 8033M - DMF

Signal _____ Power _____

Reviewed by/Date: _____

Date	Init	Result File	Sample Number	Accepted Y/N	Method Channel A: B:	Column	Comments
9-24-09	JP	BCE U 133	CJ 0.25	✓	DMFB039A	227	DMF ↓
		134 W		✓			Signal dropped
		135 WG68776-1		✓			
		136 ↓ -2		✓			Signal dropped
		137 W		✓			
		138 WG68776-3		✓			
		139 W		✓			Signal dropped
		140 WG68776-4		✓			↓
		141 W		✓			
		142 WG68776-5		✓			Signal dropped
		143 W		✓			↓
		144 SCS294-1 10/13/09		✓			CV ↓
		145 SCS294-1		✓			↓
		146 ↓ -2		✓			
		147 ↓ -3		✓			
		148 ↓ -4		✓			↓
		149 CV 0.25		✓			Signal dropped
		150 W		✓			↓
9-25-09	JP	↓ 151 W		✓			↓
↓	↓	↓ 152 W		✓			↓

	STANDARD ID	uL added	STD. CODE	STD. CODE
1	Surrogate			
2	LCS			
3	CV	—	GLV2309	
4				

KATAHDIN ANALYTICAL SERVICES
GC SOIL PREP LOG

Date of Sample Preparation	Analyst Initials	Sample #	Sample Weight (g)	Volume (mL)	Spike ID and Volume (μL)	Surrogate ID and Volume (μL)	Method	Comments
9-22-07	JJP	WGS8961-1	1.02	40	NA	200 μL GCU 2348	8633	SHAW start: 1394 end: 6715
			0.99	100 μL	100 μL GCU 2348	100 μL		
			1.01	100 μL	100 μL	100 μL		
			1.29	NA	200 μL GCU 2348	100 μL		
		ScS606-1A	-2	1.50	-3	1.62		
			-3		-4	1.49		
			-4		-5	1.31		
			-6		-6	1.89		
			-7		-7	1.16		
			-8		-8	1.64		
			-9		-9	1.35		
			-10		-10	1.30		
			-11		-11	1.35		
			-12		-12	1.11		

Reviewed By:

Date:

CONVENTIONAL AND PHYSICAL ANALYTICAL DATA

QC Summary Section

Quality Control Report

Blank Sample Summary Report

Total Solids

<u>Samp</u>	<u>Type</u>	<u>QC Batch</u>	<u>Anal. Method</u>	<u>Anal. Date</u>	<u>Prep. Date</u>	<u>Result</u>	<u>PQL</u>
MBLANK		WG69048	ASTM D2216	24-SEP-09	23-SEP-09	U 1 %	1 %
MBLANK		WG69073	ASTM D2216	24-SEP-09	23-SEP-09	U 1 %	1 %

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG69048-2	LCS	WG69048	24-SEP-09	23-SEP-09	%	90	90.	100	80-120	
WG69073-2	LCS	WG69073	24-SEP-09	23-SEP-09	%	90	90.	100	80-120	
WG69048-3	LCSD	WG69048	24-SEP-09	23-SEP-09	%	90	90.	100	80-120	0

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG69073-4	SC5606-4	WG69073	24-SEP-09	%	81.	82.	1	20
WG69048-4	SC5606-14	WG69048	24-SEP-09	%	66.	64.	2	20

Sample Data Section

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS

(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

- U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.
- E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.
- J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
- I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.
- A-4 Please refer to cover letter or narrative for further information.
- MCL Maximum Contaminant Level
- NL No limit
- NFL No Free Liquid Present
- FLP Free Liquid Present
- NOD No Odor Detected
- TON Threshold Odor Number
- H1 Please note that the regulatory holding time for pH is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. pH for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
- H2 Please note that the regulatory holding time for DO is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. DO for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
- H3 Please note that the regulatory holding time for sulfite is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Sulfite for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.
- H4 Please note that the regulatory holding time for residual chlorine is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. Residual chlorine for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-1
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SB-453-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	17-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	22. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-2
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SB-453-1.0/6.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	17-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	77. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-3
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SB-457-28/30-XXX

Matrix

SL

Date Sampled

14-SEP-09

Date Received

19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	91. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-4
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SB-473-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	18-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	81. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-5
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SB-473-4.0/6.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	18-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	83. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-6
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-420-0.0/1.0-X

Matrix

SL

Date Sampled

15-SEP-09

Date Received

19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	85. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-7
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-422-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	15-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	82. %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-8
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-424-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	15-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	86. %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-9
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-427-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	81. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-10
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-429-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	81. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-11
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-431-0.0/1.0-X

Matrix

SL

Date Sampled

16-SEP-09

Date Received

19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	86. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-12
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-434-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	82. %	I	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-13
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-440-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	59. %	1	SM2540G	WG69073	24-SEP-09 09:00:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-14
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-450-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	66. %	1	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-15
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-453-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	17-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	71. %	I	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-16
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-455-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	84. %	I	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-17
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-456-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	18-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	83. %	I	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-18
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-457-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	17-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	89. %	I	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
 Mactec Engineering and Consulting
 P.O. Box 7050 DTS
 Portland, ME 04112-7050

Lab Sample ID: SC5606-19
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-459-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	18-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	87. %	I	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Report of Analytical Results

Client: Chris Ricardi
Mactec Engineering and Consulting
P.O. Box 7050 DTS
Portland, ME 04112-7050

Lab Sample ID: SC5606-20
Report Date: 08-OCT-09
Client PO: ERRE9844 REWI0014
Project: Wilmington
SDG: WIL-8

Sample Description

OC-SS-460-0.0/1.0-X

<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SL	16-SEP-09	19-SEP-09

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	83. %	1	SM2540G	WG69048	24-SEP-09 09:25:00	ASTM D2216	23-SEP-09	JF	

Raw Data Section

TOTAL SOLIDS BATCH REPORT
 Sep 24 2009, 10:47 am
 Batch: WG69048

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SC5380-4	SL	SAMP	WG69048	23-SEP-09	1.102 g	5.124 g	1.931 g	JF	24-SEP-09	20.6120	21.	%	
SC5606-14	SL	SAMP	WG69048	23-SEP-09	1.094 g	4.376 g	3.26 g	JF	24-SEP-09	65.9960	66.	%	
SC5606-15	SL	SAMP	WG69048	23-SEP-09	1.088 g	4.961 g	3.824 g	JF	24-SEP-09	70.6430	71.	%	
SC5606-16	SL	SAMP	WG69048	23-SEP-09	1.114 g	4.836 g	4.256 g	JF	24-SEP-09	84.4170	84.	%	
SC5606-17	SL	SAMP	WG69048	23-SEP-09	1.099 g	6.634 g	5.679 g	JF	24-SEP-09	82.7460	83.	%	
SC5606-18	SL	SAMP	WG69048	23-SEP-09	1.1 g	5.722 g	5.209 g	JF	24-SEP-09	88.9010	89.	%	
SC5606-19	SL	SAMP	WG69048	23-SEP-09	1.095 g	5.304 g	4.754 g	JF	24-SEP-09	86.9330	87.	%	
SC5606-20	SL	SAMP	WG69048	23-SEP-09	1.098 g	6.253 g	5.39 g	JF	24-SEP-09	83.2590	83.	%	
WG69048-1	SL	NBLANK		23-SEP-09	1.107 g	1.107 g	1.107 g	JF	24-SEP-09	0.0000	1.	%	
WG69048-2	SL	LCS	WG69048	23-SEP-09	1.078 g	6.104 g	5.594 g	JF	24-SEP-09	89.8530	90.	%	
WG69048-3	SL	LCSD	WG69048	23-SEP-09	1.105 g	6.122 g	5.63 g	JF	24-SEP-09	90.1930	90.	%	
WG69048-4	SL	DUP	WG69048	23-SEP-09	1.086 g	4.396 g	3.218 g	JF	24-SEP-09	64.4110	64.	%	

Comments:

WG69048-1 SC5606-14
 WG69048-2 SC5606-14
 WG69048-3 SC5606-14
 WG69048-4 SC5606-14

Entered by: Jayanthi Date: 8-24-09

Accepted by: _____ Date: _____

Approved by: John Date: 8-24-09

KATAHDIN ANALYTICAL SERVICES, INC.

TOTAL SOLIDS: ASTM D2216	PQL: 0.10%	BALANCE ID:	5407A, 3 05/2012
TOTAL VOLATILE SOLIDS: SM2540 G	E160.4	PQL: 0.10%	ASTM CLASS 1 WEIGHTS
ANALYST IN: <i>J. M. J.</i>	ANALYST OUT: <i>J. M. J.</i>	TRUE WT (g)	INITIAL WT (g) FINAL WT (g)
DATE IN: 9-23-09	DATE OUT: 9-24-09	2.0000	2.002
TIME IN: 1700	TIME OUT: 1800	5.0000	5.000
TEMP IN: 105	TEMP OUT: 105	10.0000	10.000
Oven ID: 107 Nook2 Fridge	Muffle Oven ID:		
CHECKED BY: <i>J. M. J.</i>	DATE: 09/27/09	100.0000	
SAMPLE ID	DISH ID	DISH WT (g)	DISH DRY WT (g) DISH/ASH WT (g)
166	21	1.107	1.107
161	26	1.078	1.04
166-144	27	1.094	5.594
D1-644	28	1.086	4.326
-167	29	1.087	4.396
-168	30	1.114	4.830
-171	31	1.089	6.634
-169	32	1.100	5.722
-194	33	1.095	5.304
-104	34	1.085	4.754
SC-5380-4	35	1.102	6.253
166-17	36	1.105	6.122
SC-5572-1E (3)	37	1.102	5.457
-25 (4)	38	1.117	5.660
-65 (5)	39	1.102	5.074
D4 - 65 (8)	40	1.094	5.065
-3D (5)	41	1.100	3.980
-4E (4)	42	1.101	5.469
-5E (7)	43	1.108	4.727
-7C (9)	44	1.096	7.376
-8D (20)	45	1.081	6.721

m663048-1

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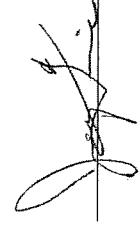
TOTAL SOLIDS BATCH REPORT
 Sep 24 2009, 01:49 pm
 Batch: WG69073

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	Date by	Raw TS	Rep TS	Recovery	RPD
SC5605-1	SL	SAMP	WG69073	23-SEP-09	1.095	9	4.173	g	3.349	g	73.	%
SC5605-2	SL	SAMP	WG69073	23-SEP-09	1.084	g	5.538	g	5.026	g	88.	%
SC5605-3	SL	SAMP	WG69073	23-SEP-09	1.092	g	5.754	g	1.991	g	19.	%
SC5605-4	SL	SAMP	WG69073	23-SEP-09	1.118	g	7.985	g	7.414	g	91.	%
SC5605-5	SL	SAMP	WG69073	23-SEP-09	1.119	g	5.943	g	5.533	g	91.	%
SC5605-6	SL	SAMP	WG69073	23-SEP-09	1.089	g	7.405	g	2.464	g	21.	%
SC5606-10	SL	SAMP	WG69073	23-SEP-09	1.102	g	5.33	g	4.531	g	81.	%
SC5606-11	SL	SAMP	WG69073	23-SEP-09	1.079	g	6.723	g	5.948	g	86.	%
SC5606-12	SL	SAMP	WG69073	23-SEP-09	1.12	g	5.993	g	5.106	g	81.	%
SC5606-13	SL	SAMP	WG69073	23-SEP-09	1.1	g	7.976	g	5.188	g	59.	%
SC5606-2	SL	SAMP	WG69073	23-SEP-09	1.094	g	6.63	g	5.378	g	77.	%
SC5606-3	SL	SAMP	WG69073	23-SEP-09	1.072	g	7.251	g	6.706	g	91.	%
SC5606-4	SL	SAMP	WG69073	23-SEP-09	1.093	g	4.389	g	3.759	g	80.	%
SC5606-5	SL	SAMP	WG69073	23-SEP-09	1.133	g	8.283	g	7.102	g	83.	%
SC5606-6	SL	SAMP	WG69073	23-SEP-09	1.107	g	5.26	g	4.664	g	85.	%
SC5606-7	SL	SAMP	WG69073	23-SEP-09	1.097	g	4.73	g	4.096	g	82.	%
SC5606-8	SL	SAMP	WG69073	23-SEP-09	1.075	g	4.593	g	4.111	g	24.	%
SC5606-9	SL	SAMP	WG69073	23-SEP-09	1.102	g	4.275	g	3.681	g	81.	%
SC5636-1	SL	SAMP	WG69073	23-SEP-09	1.094	g	4.366	g	3.8	g	24.	%
SC5636-2	SL	SAMP	WG69073	23-SEP-09	1.078	g	4.977	g	4.568	g	82.	%
WG69073-1	SL	NBLANK	WG69073	23-SEP-09	1.074	g	1.074	g	1.076	g	89.	%
WG69073-2	SL	LCS	WG69073	23-SEP-09	1.11	g	6.129	g	5.608	g	0.200	1.
WG69073-3	SL	DUP	WG69073	23-SEP-09	1.088	g	4.392	g	3.836	g	89.	%
WG69073-4	SL	DUP	WG69073	23-SEP-09	1.097	g	4.347	g	3.759	g	83.	%
									81.9080		81.	%

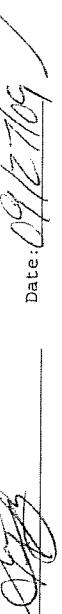
Comments:

WG69073-1 SC5636-1
 WG69073-2 SC5636-1
 WG69073-3 SC5636-1
 WG69073-4 SC5606-4

Katahdin Analytical Services 5000031

Entered by: 

Date: 24-SEP-09

Accepted by: 

Date: 24-SEP-09

KATAHDIN ANALYTICAL SERVICES, INC.

TOTAL SOLIDS: ASTM D2216		PQL: 0.10%		BALANCE ID: 5'AC70205 30005222312	
TOTAL VOLATILE SOLIDS: SM2540 G		E160.4		PQL: 0.10% ASTM CLASS 1 WEIGHTS	
ANALYST IN:	ANALYST OUT:		TRUE WT	INITIAL WT	FINAL WT
DATE IN:	DATE OUT:		(g)	(g)	(g)
TIME IN:	TIME OUT:				
TEMP IN:	TEMP OUT:				
OVEN ID:	Muffle Oven ID:				
CHECKED BY:	DATE:				
1	8/26/16	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH/ASH WT (g)
1	8/26/16	1	6.074	6.076	6.076
2	8/26/16	2	1.110	6.129	5.608
3	8/26/16	3	1.094	4.382	3.800
4	8/26/16	4	1.085	4.392	3.896
5	8/26/16	5	1.078	4.977	4.565
6	8/26/16	6	1.095	4.723	3.349
7	8/26/16	7	1.064	5.538	5.026
8	8/26/16	8	1.092	5.754	5.991
9	8/26/16	9	1.116	7.955	7.714
10	8/26/16	10	1.119	5.943	5.533
11	8/26/16	11	1.073	7.405	2.764
12	8/26/16	12	1.094	6.630	5.378
13	8/26/16	13	1.072	7.257	6.706
14	8/26/16	14	1.093	4.349	3.759
15	8/26/16	15	1.087	4.347	3.759
16	8/26/16	16	1.133	3.283	2.812
17	8/26/16	17	1.071	5.240	4.664
18	8/26/16	18	1.077	4.730	4.096
19	8/26/16	19	1.075	4.393	4.111
20	8/26/16	20	1.072	4.275	3.686
21	8/26/16	21	1.024	9.20911	5.7330
22	8/26/16	22	1.079	6.723	5.946
23	8/26/16	23	1.020	6.993	5.106
24	8/26/16	24	1.006	9.4455	5.688